



The

CHEMIST AND DRUGGIST

RETAILER - WHOLESALER - MANUFACTURER

AUGUST 21, 1948

B_e
Prepared

1948
OFFICIAL
SEPT. 1ST



BURGOYNE BURBIDGES

Established 1741, & COMPANY LIMITED, LONDON.E.6

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*An anti-allergic preparation
for local application . .*

'Benadryl'

Cream

'Benadryl', the potent anti-histamine compound which is used orally with conspicuous success in treating allergic conditions, is now available as a cream for local application.

'Benadryl' Cream is used either alone or as an adjunct to oral or parenteral 'Benadryl' treatment, in such conditions as contact dermatitis and urticaria, providing additional relief on account of its anti-pruritic action. Its efficacy in allergic dermatoses has also prompted its application in such skin irritations as pruritus ani and pruritus vulvæ, bee-stings and insect-bites.

It is supplied in 1-oz. collapsible tubes.



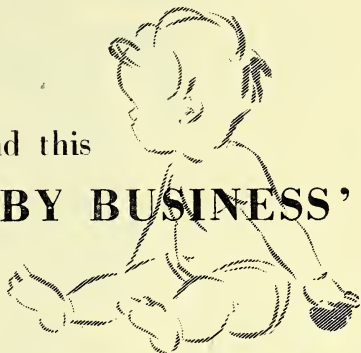
PARKE, DAVIS & COMPANY
STAINES ROAD, HOUNSLOW, MIDDLESEX

Inc. U.S.A., Liability



... and this

'BABY BUSINESS'



Confidence in Farex is based on sound results . . . practical success in weaning an infant over many years. And, because Farex provides the logical follow-on to the purely milk diet it ensures that your valuable 'baby business' continues uninterrupted right up to the time the child is on a normal full diet.

Remember that Farex contains not one but *three* cereals. It has added nic minerals and vitamin D. It can be given literally any flavouring desired. And Farex needs no cooking—a feature particularly appreciated by the busy mother. It is very economical too.†



† 10 oz. cartons 1/-

Ready cooked 3-cereal food

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434

***A woman wants two things
from a beauty cream . . .***



She expects it to perform make-up magic—to hold powder smoothly, lastingly, and to make her prettier right this minute. But she also expects it to care for her skin—to improve its texture, make it smoother, help it to resist wrinkling. SKIN DEEP does both of these things.

Made from Atkinsons newest formula for the day and night care of the skin, SKIN DEEP

holds make-up perfectly by day and acts as a rich skin food by night. As the years go by the natural substances which keep the skin pliable and able to resist wrinkling dry up. SKIN DEEP, blended from oils closely resembling the skin's natural oils, preserve the complexion against wind, weather and loss of elasticity caused by the march of time.

ATKINSONS
Skin Deep

BEAUTY CREAM

FOR DAY AND NIGHT USE

All Skin Deep

*advertisements appearing
in the big-circulation
magazines and journals
feature the phrase
"does the skin good."
And it's true.*





CROOKES Lacto-Calamine

Bonus Terms

Fine terms for a fine, quick-selling line.

Owing to the uncertainty of future supplies this offer must be restricted to the three months—June, July and August.

Two exceptionally attractive showcards L.C.1 (23½" x 14½") and L.C.2 (9" x 13") and window displays dressed by The Window Display Co. are available—please state the dimensions of the space to be dressed.



PATA

	£	s.	d.
36 x 4 oz. Bottles			
@ 2/4 Retail	4	4	0
Less 25%	1	1	0
	3	3	0
Less 10%		6	4
	2	16	8
Purchase Tax @			
33⅓% on 39 Bottles	1	2	9
	£3	19	5

Bonus 3 x 4 oz. Bottles Retail Value 7/- (excluding Purchase Tax)

Retail price 2/11 per bottle.

THE CROOKES LABORATORIES LIMITED
MARK ROYAL LONDON N.W.10



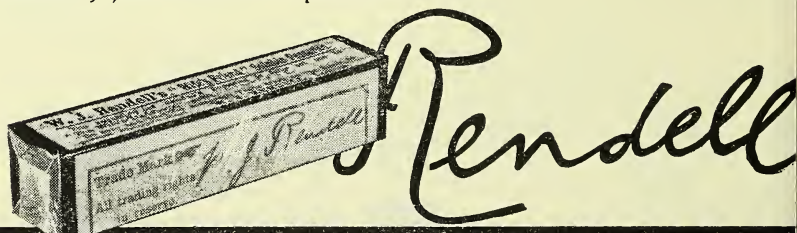
WHERE WOMEN

'WALK IN' WITH CONFIDENCE

For over half a century, women everywhere have had justifiable confidence in the name Rendells, and in the pharmacist who stocks Rendells products.

The Chemists displaying Rendells frequently find this an excellent means of introducing new customers.

If you need further supplies of window and counter display material, just send us a postcard.



NOW WRAPPED IN CELLULOSE FILM AGAIN

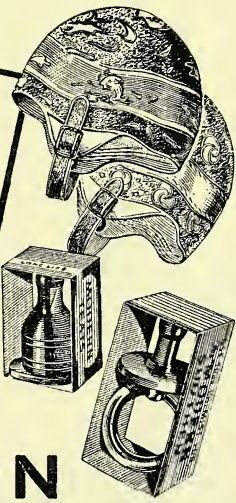
W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E. C.

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All Cannon Rubber products are of the highest quality available today. Both at home and overseas these products have become popular because they are manufactured to most exacting standards. Wherever the CANNON trade mark appears, there you will find the best that is to be had. (From your Wholesaler only.)



Quality Goods by

CANNON RUBBER

makers of 'Modern' and 'Wellborn' products, The 'Dolphin' and 'Ripple' Water Bottles, 'Diver' and 'Rosette' Bathing Caps.

CANNON RUBBER MANUFACTURERS LIMITED • LONDON • N.17



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FROM STOCK

Fig. 726A

NAIL VARNISH
or
CORN SOLVENT
BOTTLES

2 dram SIZE

Round White Flint with
Screw Plastic Cap

With Caps only 2/6 doz.

Fitted dip rods 3/6 "

,, brushes 5/- "

"ONE DROP"
VIALS

*Ideal for Perfume,
OIL SAMPLES, etc.*

*Complete with compo. top
and dip rod.*

$\frac{1}{2}$ 1 2 4 dram
20/6 21/- 22/- 28/- gross

Minimum quantity
supplied One gross

SPECIAL TERMS FOR EXPORT

FIG. 716



Fig. 800/A

"OILTITE"
DROP BOTTLES

2 dram SIZE

WHITE FLINT BOTTL

5/6 Dozen

M. J. FECHER LTD., 121, HIGH STREET, SLOUGH, BUCKINGHAMSHIRE

Phone SLOUGH 21864

Confidence turns into Cash!

Phensic Cassell's Veno's Germolene - Germoloids



The cash you take for these famous Veno products comes over your counter on a tide of goodwill. Don't stem this tide for lack of stock! Order now! **TERMS:** Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.

P.A.T.A.

Veno Drug Co. Ltd., Chester Rd. Manchester. 16.

QUALITY UNIFORMITY ACCURACY

assured by **OVER A CENTURY** of
manufacturing experience.

PILLS & TABLETS

**BULK OR
PACKED**

**CAPSULES : PILE PREPARATIONS
PHARMACEUTICALS**

**SOLVELLÆ : Packed SPECIALITIES
PROPRIETARY and PRIVATE FORMULÆ**

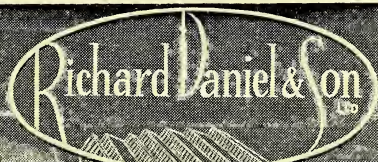
Production under constant qualified
Pharmaceutical supervision and strict
laboratory control.

You can depend on the merits and excellence of

COX

P R O D U C T S

ARTHUR H. COX & CO. LTD. BRIGHTON, 7, SX.

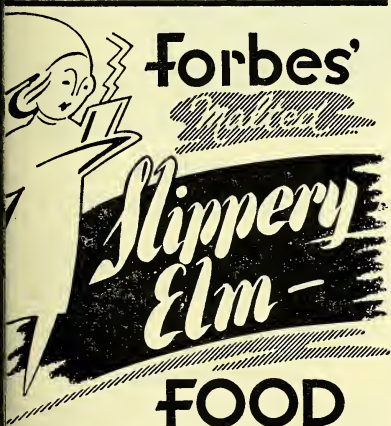


PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR
CHEMISTS

*Manufacturing
Chemists*

Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)



**A MOST VALUABLE FOOD
FOR INFANTS & INVALIDS**

1lb. size	2/3	doz.	20/-
2lb. size	4/-	doz.	36/-

Makers: BROOK, PARKER & CO. LTD., BRADFORD, ENG.

**SODIUM
GLYCEROPHOSPHATE
B.P.C.
(CRYSTALLINE)**

Enquiries are invited for sodium glycerophosphate B.P.C. (crystals) in bulk. Special quotations will be given for regular supplies. Sample and specification supplied on request to Home Sales Department.

EVANS MEDICAL SUPPLIES LTD
Speke, Liverpool, 19

EVANS

216-73/H3



FLAVOURED
ESSENCE OF
RENNET

RASPBERRY, STRAWBERRY,
LEMON, ORANGE,
VANILLA

—
1 OUNCE BOTTLES
sufficient for 8 pints of Junket

RETAIL
2/3
PER BOTTLE

—
SUPPLIES AVAILABLE

WITH ONE OR TWO EXCEPTIONS THE RETAILER'S DISCOUNT
ON ARMOUR MEDICINAL PRODUCTS IS 33 $\frac{1}{3}$ %.

THE
Armour Laboratories
(ARMOUR AND COMPANY LTD.)

LINDSEY STREET · LONDON · E.C.1

Telephone - - CLERKENWELL 9011
Telegrams "ARMOSATA-PHONE," LONDON

URGENT
Empty
ANDREWS
Cases
please

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

**The position is
NOW SERIOUS**

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

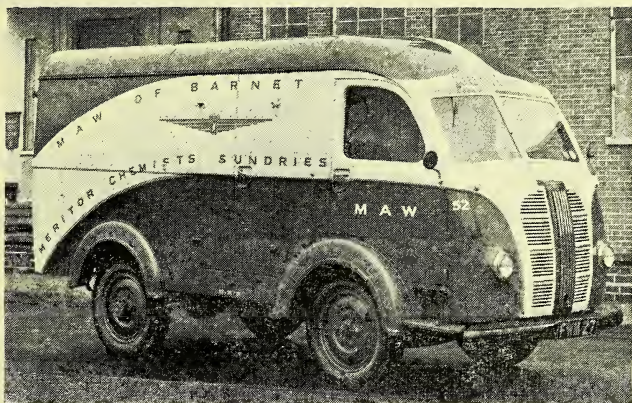
Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.
Andrews House, Newcastle-on-Tyne, 2
T.II.



FIRST WITH THE BEST SUNDRIES!



MAW'S MOTOR DELIVERY SERVICE

- REGULAR DELIVERIES IN THE GREATER LONDON AREA
- MANY COUNTRY SERVICES
(Full particulars on request)

OFFERS YOU PROMPT DESPATCH OF

MERITOR TOOTHBRUSHES
MERITOR D.D.T. ANTIMOTH
MERITOR CHEMISTS' SUNDRIES
MAW'S SURGICAL DRESSINGS
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PROPRIETARIST AGENCY LINES

S. MAW, SON & SONS LTD
ALDRSGATE HOUSE : BARNET : HERTS

WHY IT PAYS YOU TO SELL THE LARGE SIZE CARTERS



IT PAYS YOU to sell the large-size Carters because you can make 1/- profit on every 3/10 tube. And you'll find it easy to sell this size because the customer saves 10d. and gets 5 extra pills. Supplies are readily available. Send your order now and see how easy it is to make big profits!

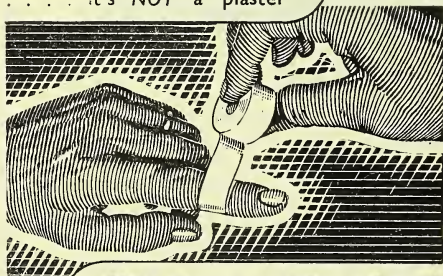


ORDER YOUR CARTERS LITTLE LIVER PILLS *Now!*

from Thomas Marns Ltd., 2 Caxton Street, S.W.1

NOT STICKY

... it's NOT a plaster



BUT IT STICKS!

... it's MORE than a bandage

PRESTOBAND

THE ANTISEPTIC SELF-ADHESIVE BANDAGE
STICKS TO ITSELF — BUT NOT TO THE SKIN

De als from the Sole Distributors

FASSETT & JOHNSON LTD

£6 Clerkenwell Rd. London, E.C.1 and 6 Crow St. Dublin
MADE BY VERNON & CO. LTD., PRESTON, LANCs.



Heading for Speedier Sales!

News! Increased advertising is spreading the story of BIOCRIN—the proved Shampoo-Reconditioner. Through more magazines more women are learning about this health-and-beauty treatment.

*A Large Profit Margin and
Regular Clientele For You!*

Retail Sizes 18/6 and 30/- per dozen (plus
33 1/3% tax) retailing at 3/- and 5/- each

Biocrin pomade shampoo

A product of Vine's Biocrin Ltd., London, W.2

BONUS OFFER STILL AVAILABLE

Don't miss the opportunity
of **GOOD PROFITS** on this
quick selling line

Cream **ESōBAN
OF CALAMINE**

In 4-oz. bottles

2/9 inc. Tax.

Through all



Wholesalers

Show material will be sent direct
on request.



SPECIAL BONUS OFFER

14 to the doz. 6 doz. and over
13 to the doz. 3 doz. and over

DISCOUNT 33 1/3%

*This offer will be withdrawn
on September 11th*

UTION LABORATORIES LTD., 88 UPPER RICHMOND ROAD, LONDON, S.W.15

MILLAMALT

Sole Manufacturers

With Vitamins

VITAMIN MALT FOOD

(A. 6,500 I.U., D. 400 I.U.)
per fl. oz.

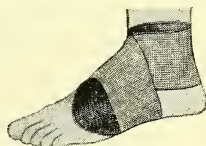
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HINDERS ANKLE VIGGER

the exclusive feature of this increasingly popular ankle support
the "controlled tension." *British & Foreign Patents.*

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"OTAFLORA" SUN TANOIL

2 oz. bottles 6/- dozen
(P.T. 100%)

*In fancy flat toilet bottles with black plastic
screw caps*

J. M. SMITH & CO.
(LONDON) LIMITED
Camelot Street, London, S.E.15

Compressed TABLET SERVICE

WHOLESALE & EXPORT

Reasonable estimates.

Clients' own material operated if desired.

The
DALES ASPIRIN AND TABLETING CO.
Barrows Lane, STEETON, Yorks.

URALYSOL

Original Formula

We take pleasure in announcing that supply difficulties having been overcome, Uralysol is again available with the original pre-war formula containing Thyminic Acid and Piperazine tartrate.

P.A.T.A. 4l/8 per doz.

RETAIL 4/4½

CONTINENTAL LABORATORIES LTD

101 Great Russell Street, London, W.C.1



**The Complete
WHOLESALE
SERVICE**

The Service Wholesaler has always been the bulwark of safety for the Retail Druggist. His creed is: Buy what you want; omit what you cannot sell.

The Service Wholesaler is an economic force pitted against waste and excess stocks. His volume must come through the service which he alone can render.

No method offers a better opportunity to meet modern merchandising problems than that of buying as needed through your Service Wholesaler.

"Let us be your Warehouse"

Ferryman
OF SOUTHAMPTON

Suppliers of Proprietaries, Drugs and Galenicals, Sundries and Packed Pharmaceuticals.

HERBERT FERRYMAN, LTD.

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Telegrams: Ferryman, Southampton. Telephones: 75641 (5 lines).



**WALLACE
BRAND**

**FINE CHEMICALS
PHARMACEUTICALS**

FOR

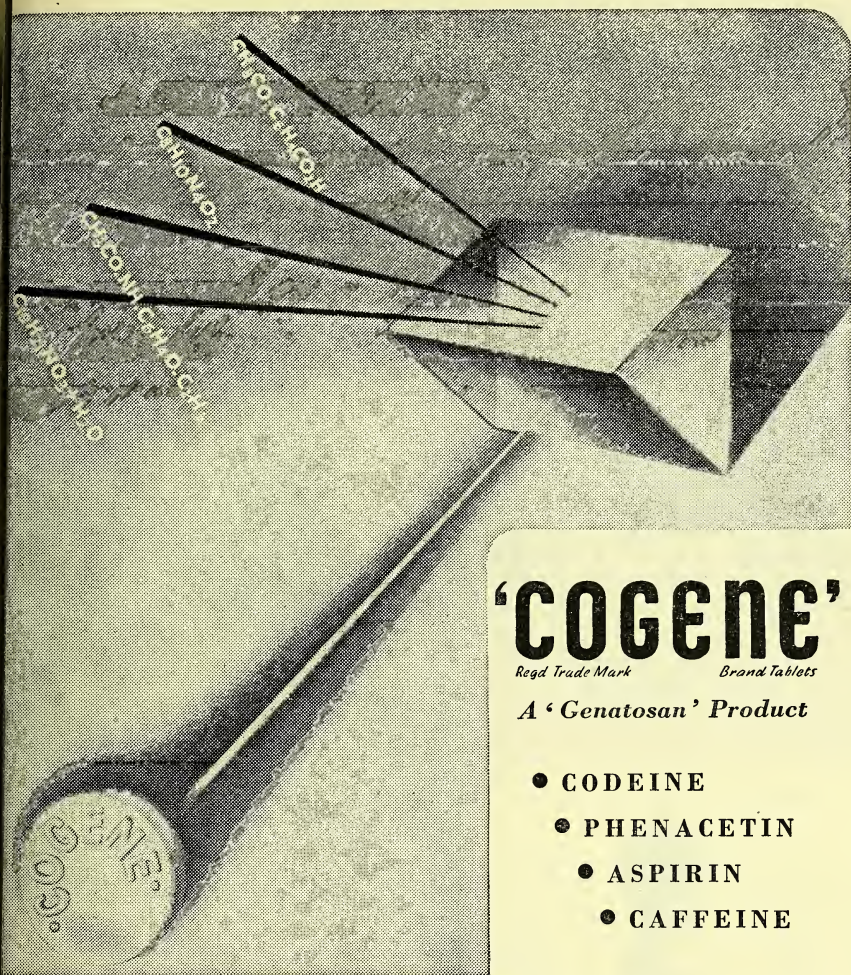
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ENQUIRIES INVITED

WALLACE (Pharmaceutical Products) LTD

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LONDON, N.W.3

Telephone:
HAM 7627

Cables:
WALLACOL, LONDON



'COGENE'

Regd. Trade Mark

Brand Tablets

A 'Genatosan' Product

- CODEINE
- PHENACETIN
- ASPIRIN
- CAFFEINE

Recommend 'COGENE' for effective relief of pain—headache, toothache, rheumatic pains and dysmenorrhoea. Reduction of temperature in chills and influenza. Sedation particularly in conditions associated with pain and worry.

Synergistic Action has been achieved by the choice of the four drugs

included in the 'COGENE' Formula thus enabling smaller effective doses.

TRADE PRICE.	PURCHASE TAX	RETAIL PRICE EXCL. P.T.
10 Tablets		
8/- per doz.	3d.	1/- each
20 Tablets		
14/- per doz.	5d.	1/9 each

An extra 10% display discount is allowed above the 33.1/3% profit on 'COGENE' for orders value £5 or over for 'GENATOSAN' products.

T.32

GENATOSAN LIMITED • LOUGHBOROUGH • LEICESTERSHIRE

Less
to spend
on beauty
means
more
SNOWFIRE
SALES



NEW SNOWFIRE packs are colourful, lovely — and all feature this silhouette. Display them — for new customers, more cosmetic profits!

AS YOU KNOW, women are spending their money much more carefully these days. So customers are more than ever interested in Snowfire beauty preparations with their charming new packs and their famous fine quality. No wonder more and more women are buying Snowfire! Be sure your stock of Snowfire beauty preparations is ready for the growing demand.

F. W. HAMPSHIRE & CO. LTD., SUNNYDALE, DERBY



AVLON'S MILD SILVER PROTEINATE B.P.C.

not only conforms to the official specification, but in its physical characteristics it offers advantages which are of first importance in dispensing practice.

- **Less Hygroscopic.** It does not become damp or coherent during weighing.
- **Easily Soluble.** Solution in water is readily effected at the usual concentrations.
- **Elegant Appearance.** Small glistening scales.

Issued in containers of 25 grammes. Trade Price 5/6 plus tax.

Literature and further information available on request from your nearest I.C.I. office — London, Bristol, Manchester, Glasgow, Edinburgh, Belfast and Birmingham.



IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD.
subsidiary company of Imperial Chemical Industries Ltd.)

MANCHESTER

Ph.269

REGISTERED

SUBA-SEAL

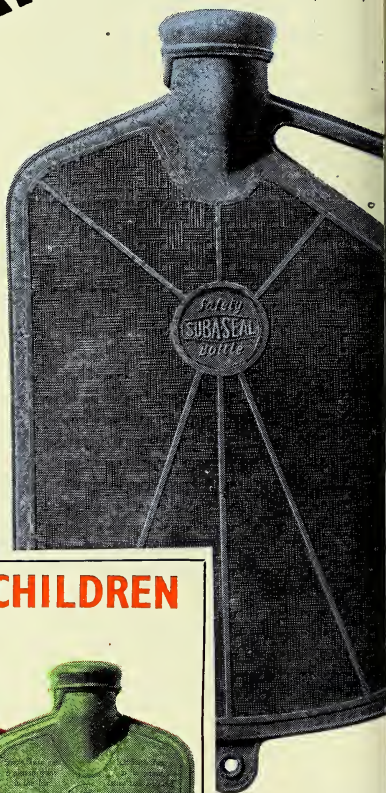
TRADE MARK

THE CHEMIST AND DRUGGIST
18 August 21, 1948

REDUCED PRICES

are now in operation for BRITAIN'S NEWEST

New models and designs
in a range of most
attractive colours.



SPECIAL DESIGNS for the CHILDREN



SIZE No. 3 RHYMES

Four of the popular Children's
Nursery Rhyme Bottles

A different design and rhyme
appears on each side of the
bottle

GIANT
SIZE NO.
with hand

Ask us for s
and full deta
our intere
prices.

WILLIAM FREEMAN
— & COMPANY — LIMITED —

HOT WATER-BOTTLE (NO SCREW)



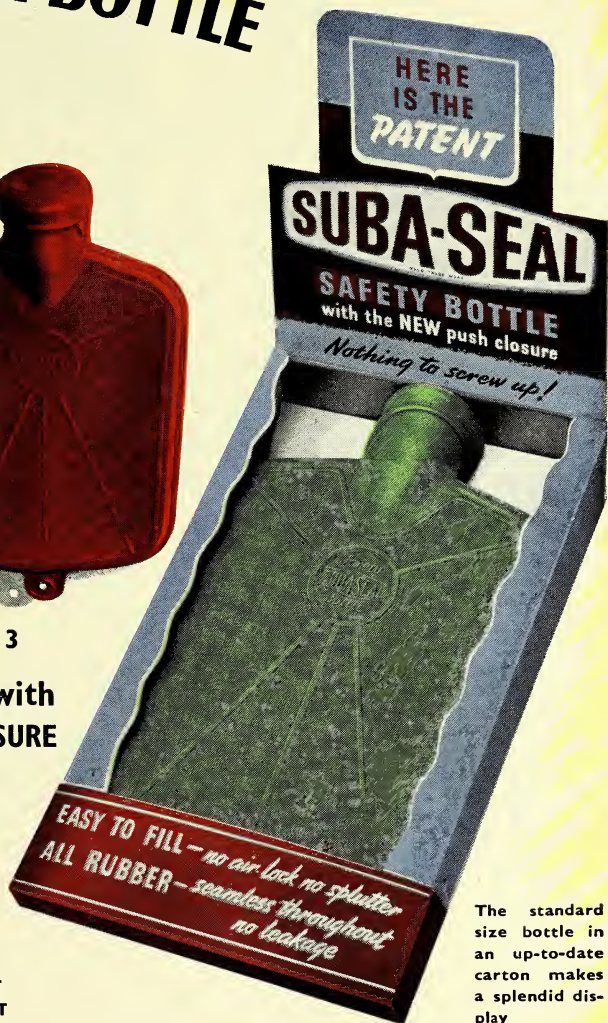
STANDARD SIZE NO. 3

SAFETY BOTTLE with
TROUBLE FREE CLOSURE

ENTIRELY BRITISH

Note these selling points :

- EASY STOPPERING
- LONGER RADIATION
- NO BANDS TO BREAK
- SEAMLESS THROUGHOUT
- COMPLETELY VULCANISED
- STOPPER CANNOT GET LOST
- CENTRE CANNOT COME OUT
- ALL RUBBER ● NO LEAKAGE
- EASY FILLING ● NO AIR LOCK ● NO SPLUTTER
- NO TROUBLESOME SCREW



The standard size bottle in an up-to-date carton makes a splendid display



STOCKS FOR NEXT SEASON should NOW BE ORDERED . . to ensure prompt delivery . . .

SUBASEAL WORKS, PEEL STREET,
BARNSELY, ENGLAND

Telephone

Telegrams

Experience teaches

'Dettol' Ointment is being more and more widely used where a dressing both sedative and antiseptic is required. Time and time again, when obstinate rashes and septic sores have resisted a succession of different treatments, 'Dettol' Ointment is found to bring rapid relief from discomfort and to promote successful healing.

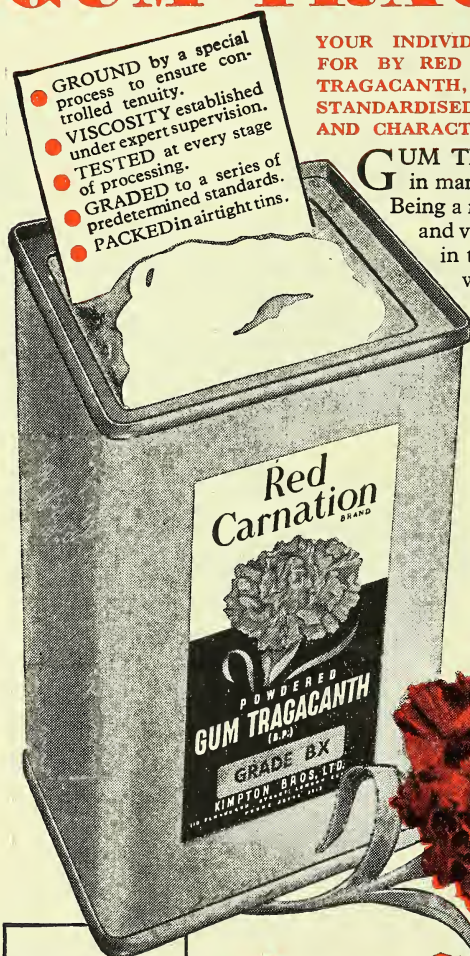
You may confidently recommend

'DETTOL' OINTMENT

Soothing and actively Antiseptic

I M P O R T A N T A N N O U N C E M E N T

To all users of GUM TRAGACANTH



- GROUND by a special process to ensure controlled tenuity.
- VISCOSITY established under expert supervision.
- TESTED at every stage of processing.
- GRADED to a series of predetermined standards.
- PACKED in airtight tins.

YOUR INDIVIDUAL REQUIREMENTS ARE PROVIDED FOR BY RED CARNATION BRAND POWDERED GUM TRAGACANTH, WHICH IS NOW AVAILABLE IN FOUR STANDARDISED GRADES, OF CERTIFIED QUALITY AND CHARACTERISTICS.

GUM TRAGACANTH is an essential ingredient in many industrial and pharmaceutical formulae. Being a natural product, with natural imperfections and variations, its commercial applications have in the past, been attended by problems arising whenever the characteristics of an ingredient are not stable. Now—these problems have been solved by the marketing of RED CARNATION Brand Gum Tragacanth. Whenever you order RED CARNATION Brand Gum Tragacanth, and whatever Grade you order, you know what you will be receiving—Gum Tragacanth in a standardised form as regards viscosity, colour and fineness of powder. In addition, you are certain that the Gum Tragacanth you receive is fresh, as the large turnover of RED CARNATION Brand obviates the risk of the Gum in stock deteriorating through long storage.

GRADES

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BXXX	BXX	BX	BA

● If you have any queries regarding RED CARNATION Brand Gum Tragacanth—e.g. which Grade is most suitable to your requirements—our Research Department will be pleased to advise you.

The literature dealing with Gum Tragacanth is not readily accessible to the average commercial user. On request, you can obtain a free, 12 pp. illustrated booklet, telling *The Story of Gum Tragacanth*.

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Powdered Gum Tragacanth

KIMPTON BROS. LTD.

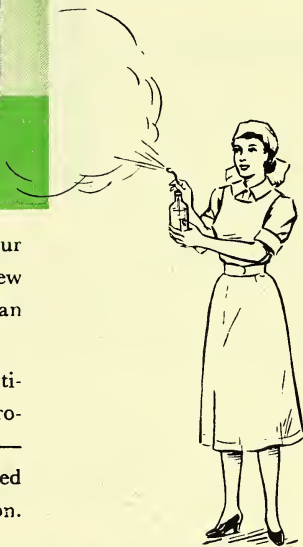
Established 1882

Dept. C.D.1—110 Fenchurch St., London, E.C.3 Telephone: ROYal 5544 (4 lines)



*For purifying
the air*

in
**PUBLIC ROOMS
CINEMAS
OFFICES
SHOPS
WAREHOUSES
FACTORIES
AND THE HOME**



T26

The increasing popularity of Zoflora encourages our belief that Chemists will welcome this excellent new outfit. We are now producing in quantity and can deliver quickly from stock.

Zoflora is a genuine germicide prepared from anti-septic aromatic oils (and also contains a small proportion of D.D.T.). It is fragrant and refreshing—ideal for the sick-room and beneficial in any enclosed area. In Bouquet, Lavender, Jasmine and Carnation.

Zoflora

perfumed **DISINFECTANT**

Complete Spraying Outfit as illustrated 10s. 6d. RETAIL

Sold also in 2/-, 7/- & 13/6 bottles. ... Less usual Trade Discounts

ORNTON AND ROSS, LTD. . HUDDERSFIELD . ENGLAND

“ABECEDIN”



for all conditions of
VITAMIN DEFICIENCY



RECOMMEND**PLESOX***The DIFFERENT***STOMACH TREATMENT**

WITH

**NATION-WIDE ADVERTISING
ATTRACTIVE WINDOW DISPLAY****RECOMMENDATION
OF****SATISFIED USERS***ARRESTING WINDOW SEALS
CONVINCING LITERATURE***50% PROFIT ON OUTLAY**

A large proportion of all stomach sufferers, and most long-standing cases do not respond well to alkaline or antacid products and call for **A SAFE RELIABLE REMEDY ON SOME QUITE DIFFERENT PRINCIPLE.** As THEY NEED IT, SOONER OR LATER—whether in your shop or elsewhere—**SUFFERERS WILL DISCOVER PLESOX—and become satisfied users.**

WHY LOSE such grateful customers with their constant repeat orders and recommendations to others.

Order now at 23/- mixed display cartons (8 small 4 medium)

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Retail Prices: 2/3d plus 6d P. Tax. 4/1½ plus 11d P. Tax. 6/9d plus 1/6d P. Tax.

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TONIC TABLETS

The new and modern tonic for tired nerves. An ethical prescription on the P.A.T.A. and C.F. lists.

Retails 4/3 per packet

Ample display material

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BOON



FIRST AID

When 'First Aid' is needed, most people think at once of the Chemist, and treatment of cuts, burns, abrasions, insect bites and stings is all in the day's work.

Your reputation is safeguarded and rapid healing ensured if you use and recommend BOON SKIN EMULSION. Containing the Gram-positive and Gram-negative Antiseptics *Pariseptan* and *Katiodin* in an emollient base, its germicidal effect is certain in ail types of skin-borne infection.

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and distributed in the U.K. by

A. M. ASHFORD LIMITED
HUNTER ROAD, SHEFFIELD, 6



PREPARING FOR THE WINTER

*The demand for counter lines will still be there.
Satisfy your customers need for a sedative cough
linctus by recommending*

TUSSI-RUBE

CONCENTRATED

LINCTUS

4 oz. SIZE

COST 18/- doz. + 6/- P.Tax. RETAIL 2/3 + 6d. P.Tax

Through your usual wholesaler or direct from:

C. J. HEWLETT & SON LTD.,
35-43 CHARLOTTE ROAD, LONDON, E.C.2
also at 48 CARSTAIRS STREET, GLASGOW, S.E.

THE *Modern* ANTACID...



With your help BROOKLAX and BONOMINT have become leading laxatives in this country. We now hope to have your co-operation in making MAGTRIZ the popular remedy for indigestion. To inaugurate the launching of MAGTRIZ TABLETS we are making an

Introductory DOUBLE BONUS OFFER

1. 33½% trade discount.
2. With first order—2 packets FREE for every dozen ordered.
3. Attractive publicity material.

MAGTRIZ

DIGESTIVE TABLETS

Two sizes, 7½d. and 1/6d.
Trade 4/- and 10/- per doz. plus P.T.



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BRITISH MADE AMPOULE FILES

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

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QUEEN'S ROAD, SHEFFIELD, 2

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3/9 EARLHAM STREET, CAMBRIDGE CIRCUS
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invite you to visit their

EXHIBIT OF SPONGES

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**ORDER NOW
WHILST THEY ARE
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THE HOME MARKET**

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to this moment when, for the present, at least, we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains and on slides in cinemas throughout Great Britain.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.



THE KENT-COSBY (PATENT) "Allure" PERFUME HAIRBRUSH

**PRESS ADVERTISEMENTS
REGULARLY APPEAR IN**

Picture Post
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Punch
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Good Housekeeping
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and many other journals

- Bristles take out to wash
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- Absolute cleanliness at bristle roots



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BY APPOINTMENT
BRUSHMAKERS

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**NEW PACKS!
NEW LOOK!
NEW BUSINESS!**



Camilatone Beauty Shampoos now sell in these attractively designed packs. Available in six shades, each shampoo includes the appropriate Tönrinz. Get in stocks now! These new packs with their new look are bound to attract new business! Our Advisory Dept. is always at your service.

Important Announcement

An established manufacturing concern in Northern India with existing production plant and distribution channels is open to consider the manufacture, packaging and marketing of pharmaceutical chemicals and allied commodities. Excellent coverage in India and adjacent countries. Replies in strict confidence to Box No. 4/219.

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LTD.

WELSH HARP
LONDON
N.W.9.

AN APOLOGY

The use of war-time substitute ingredients impaired the efficiency of many excellent pre-war products. POLIDENT was no exception. We now have pleasure in advising our wholesale and retail friends that POLIDENT is back to its pre-war standard of efficiency and this excellent denture cleanser may now be sold with the knowledge that you are handling one of the world's finest products.

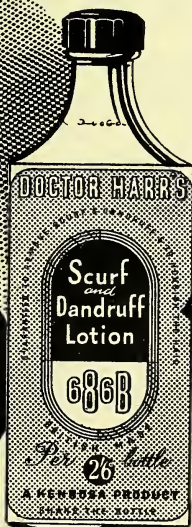
POLIDENT DENTURE CLEANSER

ASK US FOR DETAILS OF VERY ATTRACTIVE **BONUS
SPLENDOR LIMITED**

7 LOWER BELGRAVE STREET, LONDON, S.W.1
5 BEASTMARKET HILL, NOTTINGHAM

Banishes Scurf & Dandruff

New attractive
DISPLAY STANDS
supplied !



RETAIL PRICE
2'6
INC. TAX
TRADE PRICE
15'6

ONE DOZEN BOTTLES

PLUS TAX - ONE THIRD

DR. HARRIS'S
6·8·6·B
SCURF & DANDRUFF LOTION

"Innana"

THE SAME
BEST SELLER
 NOW
THE LEADING VALUE
IN THE TRADE

OBTAINABLE FROM :—

SANGERS, HOVENDENS, MAWS
 AND ALL LEADING WHOLESALE HOUSES



NOW
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Wholesale enquiries to :—

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with high
 organically combined sulphur content.

Other Asmidar Specialities include:

GLUTONINE (Asmidar)

Strychnine Gluconate—Gives prolonged action with decreased toxicity. Boxes 8 x 1 c.c. ampoules 0.002, 0.0035, 0.005 gm.

ASMIDAR ANTI-RHEUMATIC Ointment

Non Greasy, Non Staining Analgesic
 Size ½ oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol Cream (Asmidar). Literature and information gladly supplied on request.

ASMIDAR LTD

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HAIR NETS
 FOR
 MODERN
 HAIR STYLES



The popularity of these beautifully made Nets is worth noting, for supplies are no unrestricted and you can be sure your order will be fulfilled. Uneeda Nets are sold in all hair shades.

Wholesale and Export

ROBERT SHAW & CO. LTD., NOTTINGHAM

Manufacturers of "Surefit," "Venus," "Madonna" and "Uneeda" Nets.



KILL-OR CURE?

Q.: Have you anything for killing moths?

A.: Certainly, Madam. But killing is not the most certain protection.

Q.: Oh, how do you mean?

A.: There's a better way, you know. You may kill a moth, but it's the grubs that do the damage. So if that moth has had the slightest chance to lay its eggs—well, as they say, you've had it! That's why I recommend Mothaks.

Q.: How do they work, then?

A.: They keep moths away. No moth will come anywhere near a Mothak. It contains the most powerful moth-repellent known—**PARADICHLORBENZENE**.

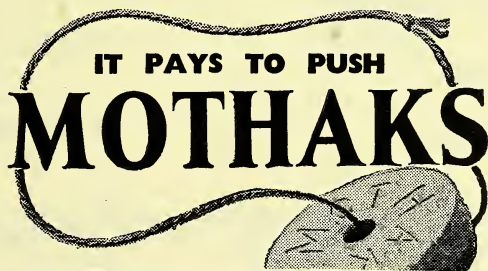
Q.: Quite a mouthful! But I seem to remember hearing about it.

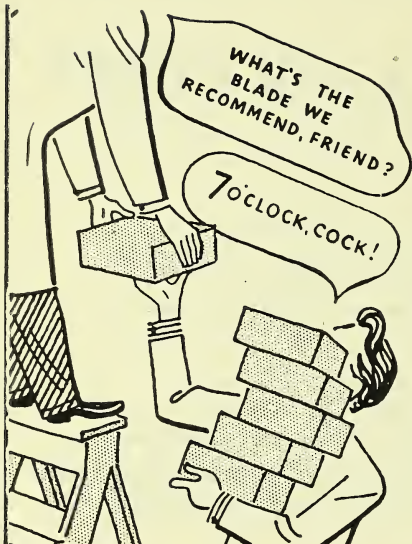
A.: Yes, it has been given quite a lot of publicity. And in a Mothak you get paradichlorbenzene in its most effective form.

and so another Mothak customer was made—another source of repeat and 'recommendation' sales!

ARE YOU getting your share of this good business? Now is the peak-time for Mothak sales. Link up your shop

with Mothak national advertising. There's extra profit and turnover here, just for the asking. Send for supplies and display material to Thompson & Capper Wholesale Limited, Speke Hall Road, Liverpool, 19.





Every now and then an advertising slogan becomes a national catchword. That's what is happening with the phrase, "7 o'clock, Cock!" Every month more men are noticing it... repeating it... talking about it to their friends. And the result will be seen in a bigger and bigger demand for 7 o'clock, the wonderful triple-ground razor blades. Stock and recommend 7 o'clock blades.

7 o'clock

BLADES



Now 11^p FOR SIX

Including Tax

Actually COST LESS than PRE-WAR!

Trade enquiries to your wholesaler or to Gillette Industries Ltd., Gillette Corner, Great West Road, Isleworth, Middx.

VULFIX

SHAVING BRUSHES

Ask your wholesaler about
THE NEW VULFIX
"TIDY SHAVER"
A great boon, of assured popularity.

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SHAVING BRUSH CO., LTD.

MOTTRAM ST., STOCKPORT

ILLUSTRATED EXPORT CATALOGUE AVAILABLE
FROM LONDON OFFICE:

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TRAGACANTH POWDER our "SOJ" brand

are especially graded for all users and industries

WE ALSO STOCK KARAYA AND ACACIA POWDER

Samples and Prices on application

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50 Moorgate, London, E.C.2 Phone: METropolitan 962



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Containers of Metal

Glass, Aluminium

and Plastic

Tel: Hop 0516 (6 lines)

Pure White

TIN OXIDE

(STANNIC)

Pure Powdered

TIN METAL

for medicinal purposes

Manufactured by:—

**KEELING & WALKER, LTD.,
STOKE-ON-TRENT**

Telephone: Stoke-on-Trent 4136/7



POTTER'S
**SPECIAL
 PREPARATIONS**



ACCURACY OF DOSAGE AND STERILITY GUARANTEED
 AMPOULES . BOUGIES . ANÆSTHETICS . FRIABLE
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 PREPARATIONS . ANALYTICAL SOLUTIONS . CATHETER
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Grams: Horehound, Manchester

Tub-time for baby

means that more SEPTISOL Baby Soap is being used. Septisol is now being extensively advertised... be sure you can meet the demand by stocking



SEPTISOL

BABY SOAP

Also SEPTISOL NURSERY OINTMENT

Prices include Pur. Tax
Trade 14/- per dozen.
Retail 1/7 jar.

★ Trade Price
84/- per gross
(inc. P. Tax) to
RETAIL AT
9d.
PER TABLET

Send for Samples to

SEPTISOL LIMITED
28 KENNEDY STREET, MANCHESTER 2

PELLETS

Blackcurrant & Liquorice
Peppermint & Liquorice

8½d Per TIN

**NOW
AVAILABLE**

For prices
and
quantities
available
write for
Printed
Price List
to

PASTILLES

Children's Cough Pastille
★ Friars Balsam Pastille

★ T.C.L. Pastilles

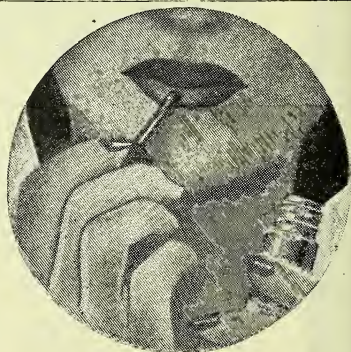
1/8d Per TIN

★ Also available in Bu

Simpkins of Sheffield

LIQUID LIPTONE

THE ORIGINAL LIQUID
'LIPSTICK' and the only one
that REALLY STAYS ON .

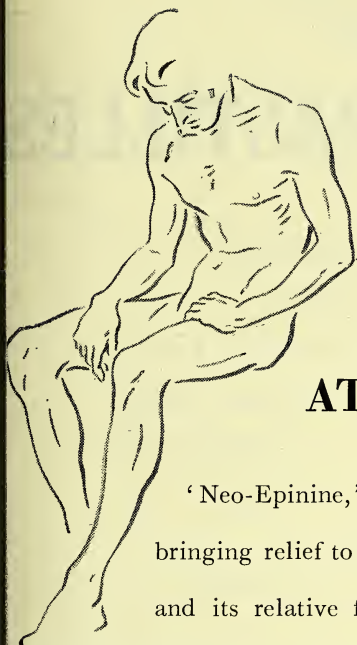


This new Liquid Liptone is the ideal 'lipstick' at last. It cannot smear and really won't rub off. Imported under license. Supplies at present are limited.

**BEVINGTON MERCHANDISING
CO. LTD.**

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AT THE FIRST GASP

'Neo-Epinine,' the new treatment for asthma, will be bringing relief to many of your customers. Its effectiveness and its relative freedom from the side-effects caused by

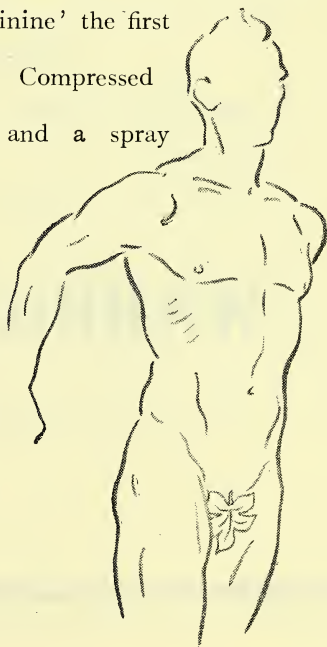
drenaline and ephedrine will make 'Neo-Epinine' the first choice of physician and asthmatic patient. Compressed products for placing beneath the tongue and a spray solution are now available.

'NEO-EPININE'

BRAND

ISOPROPYLNorADRENALINE SULPHATE

Compressed products for sublingual administration, each containing 20 mgm.; in bottles of 25, 3s. 6d., and 100, 12s. 9d. Spray solution, containing 1 per cent of drug in bottles of 10 c.c., 3s. 6d. (Exempt from Purchase Tax.) Subject to usual trade discount,



BURROUGHS WELLCOME & CO, (The Wellcome Foundation Ltd.) LONDON

MEDICATED PASTILLES

Cherry Cough

Childrens Cough

Carrageen Moss

Friars Balsam

Bronchial

Catarrh

Cough

Antiseptic Throat

Compound Syrup

of White Pine

&

"Pellæ" Brand

Compound Glycerine of Thymol

Enquiries solicited for—

SPECIAL FORMULÆ & SPECIAL LABELLING

WARRICK BROS. LTD.

4, 6, 8 & 10, NILE STREET,

LONDON, N.1.

The



CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

AUGUST 21, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London,"

Price 6d. per copy. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3574

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NEWS OF THE WEEK

Chamber of Trade Conference.—The annual conference of the National Chamber of Trade is to be held at Bridlington, September 25-29.

Kent Pharmaceutical Committee.—Officers: *Chairman*, Mr. J. Roland Smith; *Vice-chairman*, Mr. W. F. Parry; *Secretary*, Mr. J. E. French, Greta House, Newington, Sittingbourne, Kent.

Exchange Control and Tangier.—A new Order (S.I., 1948, No. 1856) amends the Exchange Control (Payments) Order, 1948, by restricting the transfer of sterling from other non-scheduled territories to Tangier, and thus modifies the manner of payment for U.K. exports to that territory.

New Jewish Currency.—The Provisional Government of Israel has introduced a new Israel pound, replacing the present Palestine pound but, like it, equal in value to the £1 sterling. New pound notes, issued by the Anglo-Palestine bank as the bankers to the Provisional Government, will replace the existing notes, which remain legal tender until September 15.

British Council's Activities.—The report of the British Council for 1947-48, published recently, records that the Council, in co-operation with numerous other bodies, has organised lectures on a wide variety of subjects in many overseas countries. One example was a lecture on penicillin given in Austria by Sir Alexander Fleming.

Deliveries of N.H.S. Medicines.—Speaking at a meeting of the Aberdeen and Kirkcaldy Executive Council on August 5, Mr. J. Simpson, M.P.S., Banchory, said the cost of delivering medicines to patients living in remote areas should be borne by the State. Special dockets should be attached to such medicines, he suggested, entitling them to free carriage by post or bus.

Retail Sales in June.—Retail sales of chemists' wares in June, in Great Britain as a whole, were 8.3 per cent. higher than in the same period in 1947. In certain areas, however, sales were down—in London, central and west-end, by 3 per cent., in the north-west of England by 3 per cent., and in the south by 2.8 per cent. Stocks

generally at the end of June were (at cost) 2.9 per cent. below those of June 1947.

Use of N.H.S. Forms.—The Ministry of Health, in a statement issued on August 18, states that there is "considerable misunderstanding among doctors as to the use of the official prescription form, E.C.10." The form may be used only by doctors who have undertaken to give general medical services, under the National Health Service Act, for named patients on their lists (or patients accepted by them as temporary residents), using a separate form for each member of the family. The form may not be used: (1) to order medicines, etc., for private patients; (2) to order foods or food-like preparations; (3) to order appliances not in the prescribed list; (4) to obtain stocks of drugs or appliances required by a doctor in his practice (such supplies should be obtained by a doctor from his wholesaler or from a local chemist in the usual manner).



A BRIGHTON WHOLESALE. — A branch at Brighton of the old-established London wholesale business of Barclay & Sons, Ltd., has been in existence since 1918, when—Conference visitors will learn with interest—it was set up at the invitation of the Brighton & Hove Association of Pharmacy. The present premises, shown above, were occupied in 1926, when greatly increased space became necessary to cope with the company's delivery services of proprietaries and sundries to chemists in Brighton, Hove and adjacent towns.

Coupon Values.—The ration of chocolate and sweets for ration period No. 1, which began on August 15, remains 12 oz. Coupons for the period are 1 for four D2 and the four E2 coupons on p. 3. The D coupons are worth one point each and the E coupons two points each. The points value of chocolate and sweets remains at sixteen points per lb. Soap coupons available are the two upright pairs of small squares numbered K 5/6 and 7, and one large square No. 2.

N.H.S. Dental Prescriptions. — The Ministry of Health has issued a memorandum to Executive Councils pointing out that chemists may dispense prescriptions written extemporaneously by dentists under the National Health Service for medicaments prepared from ingredients named in the first part of the list given in the Fourth Schedule to the N.H.S. (General Medical and Pharmaceutical Services) Regulations, 1948 (see *C & D.*, April 3, p. 445). Compound preparations named in the second part of the list may be dispensed without being ordered under their official titles or synonyms, or under a proprietary name, if the product also bears the official name.

Key Industry Duty Changes. — The Board of Trade has made the Safeguarding of Industries (Lists of Dutiable Goods) Order, 1948 (S.I., 1948, No. 1826), which introduces an additional list of synthetic organic and other fine chemicals liable to Key Industry Duty. Amendments also made by this Order make all grades of carbonyl sulphide and potassium permanganate liable to duty. The Order is in operation from August 20. This Order should be read in conjunction with the Safeguarding of Industries (Exemption) (No. 7) Order, 1948 (S.I., 1948, No. 1811), and the Safeguarding of Industries (Reduction of Rates) Order, 1948 (S.I., 1948, No. 1815), both of which are also effective from August 20. S.I., No. 1811 continues existing exemptions from Key Industry Duty with certain additions and exemptions until December 31, 1948. S.I., No. 1815 reduces the Key Industry Duty rates chargeable on four of the items in the new additional list, in accordance with the tariff commitments entered into in the General Agreement on Tariffs and Trade, 1947. The items concerned are: the rates at which they will be chargeable are: Citric acid (made by fermentation process), 10 per cent.; caffeine and salts thereof, 25 per cent.; emetine and salts thereof, 20 per cent.; theobromine and salts thereof, 25 per cent.

IRISH NEWS

Belfast Closing Hours. — The Police Committee of the Belfast corporation has decided to postpone the making of a 5.30 p.m. closing order for pharmaceutical chemists in Belfast (see *C. & D.*, August 11, p. 166) until negotiations with the Northern Ireland Ministry of Health on the payment of a rota fee for late duty have been concluded.

N.I. Pharmaceutical Committee. — The Pharmaceutical Committee in connection with the Northern Ireland Health Services Act has now been set up. The membership is as follows: *Belfast*, Messrs. J. C. Acheson, H. W. Gamble, James McDowell, J. H. Boyd, S. McLoughlin, R. Gibson, R. W. Shinner, E. A. Richey, W. J. Rankin; *co. Antrim*, Messrs. H. G. Campbell, Ballymoney, and E. A. Poots, Larne; *co. Armagh*, Messrs. W. P. Ewart, Armagh, and J. R. Gass, Markethill; *co. Down*, Messrs. E. Linton, Newry, and S. H. Forster, Bangor; *co. Fermanagh*, Messrs. W. Parker and C. L. Taylor, Enniskillen; *co. Londonderry*, Messrs. A. Templeton, Garvagh, and J. H. White, Coleraine; *co. Tyrone*, Messrs. P. J. Quinn, Dungannon, and S. Gamble, Fivemiletown; *Londonderry City*, Messrs. G. V. Duffy and E. Campbell. The officers are: *Chairman*, Mr. R. Gibson (leader of the Pharmaceutical Negotiating Committee); *Vice-Chairman*, Mr. J. C. Acheson (president, Ulster Chemists' Association); *Treasurer*, Mr. W. J. Rankin; *Secretaries*, Mr. William Gorman (secretary, Pharmaceutical Society of Northern Ireland) and Miss E. Strachan (secretary, Ulster Chemists' Association).

OVERSEAS NEWS

New German Insulin Factory. — A factory has been established at Illertissen, near Ulm, in South Germany, to produce insulin from the glands of fish.

Chemical Proposal in Ceylon. — A proposal to establish a chemical factory in Ceylon, which would yield an annual revenue of Rs. 20 million (£1 is equivalent to Rs. 13½), is being examined by the Ceylon Government.

Greco-German Trade. — Exports from Bizonia to Greece during the first five months of 1948 amounted to \$328,967; chemicals and pharmaceutical products were included in the principal exports. Greece supplied Bizonia with pyrites, magnesite, turpentine oils and tobacco.

German Assets In Spain. — Britain, the United States, France and Spain recently signed an agreement for the disposal of German assets in Spain valued at £10 millions. The assets include the German-owned portion of the Spanish subsidiary, I. G. Farben.

Italy Abolishes Duty on Mercury. — The Italian Government recently abolished the Treasury duty on quicksilver and quicksilver ore. The tax was originally fixed at 2,000 lire per flask and at 50 lire per kilo of ore, but was reduced in July 1947 to 500 lire per flask and to 13 lire per kilo.

Iceland's Cod-liver Oil Exports. — During the first quarter of 1948 the total exports of cod-liver oil from Iceland were 1,835 long tons, valued at 7,020,000 crowns, f.o.b. Icelandic ports, compared with 663 long tons, valued at 2,893,000 crowns, in the corresponding period of 1947 (£1 sterling = 26.215 crowns).

Prices for Ceylon Cinnamon. — At a joint meeting held recently between the Ceylon Board of Cinnamon Producers and shippers, the following "fair" prices for cinnamon were fixed: Cinnamon, fine varieties, delivered shippers' stores, per lb., Rupees 1.23-1.00, according to grade; f.o.b. prices range from Rupees 1.33-1.10 per lb., according to grade. Hamburgs, delivered at shippers' stores, 75-65 cents per lb.; f.o.b., 85-75 cents per lb. No prices have been fixed for chips or featherings. The new prices became effective on August 2.

U.K. Goods for Poland. — Taking action upon conversations which took place in Warsaw recently the Polish authorities have agreed to issue licences (which carry the right to foreign exchange) during 1948 for the importation from the United Kingdom of a wide range of goods including pharmaceuticals and alkaloids (£80,000), proprietary remedies (£10,000), vitamin A preparations (£10,000), pesticides and disinfectants (£15,000), toilet preparations (£10,000), sensitised photographic material (£100,000), pimento (£8,750), cinnamon (£7,500), nutmeg (£750), vanillin (£1,250), chemical laboratory equipment (£75,000), and ammonium vanadate, barium selenate, selenium salts and acids (£10,000). Exporters are invited to write to the State trading agency concerned, and to the Polish Federation of Exporters and Importers, ul. Bracka 25, Warsaw. A list of State trading agencies will shortly be available from the Board of Trade Export Promotion Department.

NEW SCHEME FOR PRICING N.H.S. SCRIPTS

THE Minister of Health has approved, after consultation with the Central National Health Service (Chemists Contractors) Committee, an alteration in the terms of service for chemists affecting the pricing of prescriptions in the areas of all Executive Councils except those for Lancashire, Manchester and Salford. Under the new arrangements, chemists (unless their places of business are in the areas of the Executive Councils mentioned above) are to sort prescriptions dispensed during August and September into two lots:

(a) those of net ingredient cost per prescription (not script or form) of 5s. and over, and

(b) those of net ingredient cost per prescription of under 5s.

The "higher cost" lot is to be placed on top of the "lower cost" lot in one bundle, with Invoice Form 34 (Part A) and Form E.C.38 above, and the bundle forwarded to the pricing office. The arrangement is to be notified in Form E.C.N.3, a supply of which, with copies of Form E.C.38, is to be forwarded to Executive Councils for issue to individual chemists before the end of August.

The pricing of prescriptions dispensed by chemists in the areas affected, for the months of August and September, is to be carried out as follows:—

Prescriptions of net ingredient cost of 5s. and over are to be priced in full, the additions to fee and ingredient totals being made as agreed for the interim period and shown in paragraph 3 of the memorandum on "Remuneration of Chemists," copies of which were circulated to chemists by Executive Councils in June.

Prescriptions of a net ingredient cost below 5s. are to be counted. The number of such prescriptions is to be multiplied by the chemist's own average gross cost (i.e. ingredient cost, fee, fee addition and "on-cost" allowance) for July prescriptions costing under 5s. adjusted in accordance with the following formula: The prescriptions surrendered by 2 per cent. of the chemists, or a minimum of twenty in each pricing office area, are to be fully priced for August and September, and the average gross cost per prescription (costing under 5s. net) is to be calculated for the collective area sample for (a) July, (b) August, and (c) September. The percentage rise or fall as compared with July shown to have

occurred in the samples for (b) August and (c) September is to be the percentage amount by which the July average gross cost per prescription costing under 5s. for each chemist in the pricing office area is to be adjusted for the respective month. The names of chemists whose prescription bundles are to be used for the purpose are being notified to pricing offices with full details of the method to be adopted.

C. & D. DISPENSING PRICE LIST

THE following price changes that took effect in July should be noted:—

Cost		Due allowance has been made for purchase tax, if any, at current rates	Dispensing price					
d.	per		4 oz.	1 oz.	1 dr.	s.	d.	s.
15	lb.	Alumen cryst. ..	0 8 0	2 ½	—			
17	lb.	Alumen pulv. ..	0 9 0	2 ½	—			
66	oz.	Argenti nitras indurat. 8's ..	—	—	1 7			
75	lb.	Calci gluconas. .	2 9 0	9 0	1 0			
69	lb.	Calx. sulphurata ..	2 5 0	8 0	1 0			
144	lb.	Camphora ..	5 2 1	6 0	3 0			
90	lb.	Conf. piperis B.P.C. ..	3 3 0	11 0	2 0			
78	lb.	Dec. cinch. conc. ..	3 0 0	10 0	2 0			
84	lb.	Dec. papav. et anthem. fort. P.i.(9) ..	3 0 0	10 0	2 0			
39	lb.	Magnes. sulphas effervesc. ..	1 5 0	5 0	—			
144	oz.	Ephedrin. hydrochlor. P.i.(8) ..	per gr.	0 1 3	—			
42	lb.	Ext. glycyrrh. liq. ..	1 9 0	6 0	—			
18	oz.	Ext. rhei liq. ..	—	2 8 0	—			
114	lb.	Glycerin. papain. ..	4 10 1	4 0	—			
9	gr.	Homatropin. hbr. S.i.(4) ..	per gr.	1 4 0	—			
108	lb.	Inf. anthem. conc. ..	3 11 1	1 0	—			
36	lb.	Krameria pulv. .	1 4 0	5 0	—			
30	lb.	Lin. terebinth. .	1 1 0	4 0	—			
30	oz.	Ol. betulae ..	—	4 5 0	—			
27	oz.	Ol. copaiba ..	—	4 0 0	—			
30	lb.	Plumbi acetat P.i.(8) ..	1 1 0	4 0	—			
162	oz.	Quinidin. sulphas gr.x	0 9 3	1 0	—			
60	lb.	Sodii benzoas ..	2 2 0	7 0	—			
78	lb.	Syr. aurantii ..	3 7 1	0 0	—			
33	lb.	Syr.glycerophosph. co., B.P.C. P.i. (9 and 13) ..	1 5 0	5 0	—			
48	lb.	Syr. limonis ..	2 2 0	7 0	—			
17	lb.	Syr. scilla ..	0 10 0	3 0	—			

TOPICAL REFLECTIONS

Pharmaceutical Society's Constitution

The memorandum prepared by the Council of the Pharmaceutical Society for discussion by branch representatives on September 2 is a discerning document. Realising that the chances of obtaining a new Act of Parliament within a brief period are slight, the Council has divided its desiderata into three classes, the first obtainable by legislation, the second by by-law and the third by charter. It is not the fault of the Council that the most important of these changes suggested fall within the first of these classes. Application for an amendment of the charter in the near future is, I think, unlikely, while, as the possession of such a charter will strengthen the Society's case for the consideration of a Bill by Parliament. When that Bill is introduced, its promoters may, if they adhere to the proposals printed on pp. 208-09 of your last week's issue, find themselves facing two difficulties. One difficulty will be the extent of the freedom expected for the regulation "by by-law [of] certain matters of internal organisation." Parliament will probably demand an exact specification of the matters alluded to. The other difficulty will be potential—the proposal that the Privy Council shall be empowered to appoint three more pharmacists to the Society's Council, the appointments to be made after consultation with the latter Council and subject to its consent. It seems to me that this proposal, if adopted, may be unworkable. Relations between the various bodies are said to be excellent; but will they always be so? At any time the Privy Council of the future might refuse to nominate pharmacists under those conditions. Even if all went smoothly, it is surely unwise for the Council of the Society to tie itself in this way to any one Government department. My view still is that three separate bodies should be appointed as nominees of these additional councillors.

Suggestions on N.H.S.

The other memorandum or statement issued by the same council for discussion at the same meeting (pp. 210-11) is less satisfactory. Too much has been attempted; the result is that an impression of nervous anxiety is created. Whether the reference to "the law" (p. 210, last paragraph) was introduced accidentally from a draft of the statement I do not know; but in my opinion it is one that should not be made by a body charged with the duty of administering laws.

The weakest part of the document is the allusion to the relationship of qualified assistants to their employers. It is improbable that any representations made by the Council to the Ministry of Health on this matter in the immediate future will change the attitude of the Ministry. That being so, harping on the topic is undignified. It would have been better to maintain silence till something occurred to render the revival of this question a live issue. Further, though we are informed that "in general the statement does not deal with terms of service or remuneration," such an idea as the establishment of relations with local health centres needs for its accomplishment, I submit, the attention of the National Pharmaceutical Union Executive, and is therefore inconsistent with the declared policy. With one of the Council's wishes I am in agreement: many of us (*quorum pars sum*) would like to see the position of unqualified assistants regularised and, of course, "without detriment to the pharmaceutical qualification."

Insects and Their Restraint

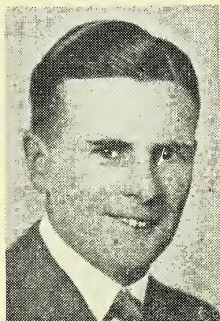
The first instalment of Mr. M. J. Way's "Insects and Insecticides" (p. 218-20) is a promising introduction to an important subject. Although, so far as I can gather, the new curricula for the qualifications of the Pharmaceutical Society do not include the study of insects, the increasing variety and popularity of insecticides should induce students, as well as "graduates," to familiarise themselves with the structure and life-history of insects usually found in gardens and fields. There is a good article on insects in Nicholson's Dictionary of Gardening; Mr. Way's article, planned on similar lines, supplements by expert treatment the information there given, and we look forward to his advice on the choice of insecticides. No summer passes, I suppose, without newspaper correspondence, especially in rural areas, on depredations caused by insects, by rooks and by rats. Agriculturists and other residents in farming counties, some of whom appear to know what they are writing about, express emphatic praise of, say, rooks as destroyers of harmful insects, while other correspondents are equally insistent on the damage due to the attention of these birds. It is, in fact, difficult to assess with much accuracy the balance desirable between insects and their enemies. I am inclined to think that it varies from season to season with the climatic conditions. **Xrayser**

PERSONALITIES

MR. A. E. G. HIDE (Midlands representative of Raimes & Co., Ltd., York) was presented with a gold wristlet watch by the company's directors at a ceremony in York recently, to mark his completion of fifty years' continuous service with the company.

MR. SIDNEY WRIGHT, London (west end) representative of G. B. Kent & Sons, Ltd., 24 Old Bond Street, London, W.1, has retired after more than forty-six years' continuous service with the company. Mr. Wright joined the company in 1902 and was appointed to the territory after being demobilised from the 1914-18 war.

MR. W. JOHN TRISTRAM, M.P.S., one of the two pharmacists appointed to the Central Health Services Council (see *C. & D.*, August 7, p. 165) has for many years taken an active part in pharmaceutical affairs. Since 1936 he has been a member of the Executive Committee of the National Pharmaceutical Union. He was appointed chairman of the Union's Business



Services Committee at its inception and is a member of the Central Health Services and Contractors' Committees. Mr. Tristram was elected to the Pharmaceutical Society's Council in 1943 and in 1944 became chairman of the Joint Committee on a National Pharmaceutical Service. In that capacity he took a prominent part in the early discussions on the part pharmacy was to play in a national health service. From the foundation of the Chemists' Federation he was a member of its council and he served as its president in 1947. Mr. Tristram has been in business on his own account since 1920, the year after he qualified, when he took over the business of Mr. William Burgess, Liverpool. Since then he has opened two branch shops. From 1923 he has been a member of the Council of the local Chemists' Association and president, 1943-46. He is a member of the Pharmaceutical Committee for Liverpool. In municipal affairs Mr. Tristram has been successively councillor and alderman of the City. He has been a

justice of the peace since 1938. He is a member of the management committee of the South Liverpool Hospitals, and of the Liverpool Executive Council.

COMPANY NEWS

PRIORY PHARMACY, LTD. (P.C.).—Capital £100. To carry on the business of pharmaceutical general chemists, etc. Max Bloom, M.P.S., David G. Passman, M.P.S., directors. R.O. County Road South, Hull.

O'DWYER'S PHARMACY, LTD. (P.C.).—Registered in Dublin. Capital £100. To carry on the business of wholesale and retail chemists and druggists. First directors are not named. Subscribers' address: 28 Main Street, Tipperary.

ETHICAL PHARMACY (HOUNSLOW), LTD. (P.C.).—Capital £3,000. To carry on the business of chemical and druggists, etc. Frederic Holden, M.P.S., G. A. Sadler, and Albert A. Brown, M.P.S., directors. R.O.: Adelaide House, Teddington.

A. W. SANDERS, LTD. (P.C.).—Capital £100. To acquire the business of a chemist carried on at 8 Fore Street, Chard, Somerset. Alexander Sanders, M.P.S., and Florence E. Sanders, M.P.S., directors. R.O.: Offices of W. & L. Walters, 100, Street, Yeovil.

P. B. COW & CO., LTD.—A meeting has been called for the purpose of authorising an increase of capital to £988,500 by the creation of 45 per cent. cumulative redeemable preference shares of £1 each.

STEPHEN SMITH & CO., LTD.—Trading profits for the year ended April 30 amounted to £11,000 against £89,888. An ordinary dividend is recommended of 15 per cent., making the same as in the previous year. £40,868 is carried forward, compared with £4,010 in 1946-47.

BUSINESS CHANGES

BRITISH ALKALOIDS, LTD., have removed their offices to 1, Austin Friars, London, E.C.2.

MR. J. F. O'BRIEN, L.P.S.N.I., has acquired the pharmacy at Hill Street, Newry, co. Down, formerly carried on by Mr. S. Irwin, L.P.S.N.I.

THE MINISTER OF NATIONAL INSURANCE has appointed Miss Florence Hancock, C.B.E., and C. R. Dale to the Industrial Injuries Advisory Council.

MR. H. N. DERRY, M.P.S. (formerly a partner of Guy & Denny, chemists, Southampton) has opened a chemist's business at Bedford, Southampton, under the title "The Independent Pharmacy."

G. B. KENT & SONS, LTD., have appointed Mr. Anthony Chapman, west end of London representative in succession to Mr. Sidney Wright. Mr. Chapman was formerly the company's representative in the west of England.

MR. E. N. CRUMP, M.B.E. (general manager of Elliot Equipment, Ltd., a subsidiary of P. & Co., Ltd.), has been appointed acting group sales manager with his headquarters at the company's main offices, Hay Hill, Berkeley, London, W.1.

BIRTH

RAMAGE.—At 7 Lumley Street, Grange-uth, on July 27, Mina, the wife of Allan Ramage, M.P.S., of a daughter (son).

MARRIAGES

DUNNING—OLDHAM.—On August 12, rman James Dunning, B.A., Portsmouth nicipal College, to Peggy Pauline Oldn, M.P.S., 32 Hursley Road, Chandord, Hants.

SMITH — PARKINSON. — At Spalding, cs, recently, Kenneth Smith, M.P.S., ert Street, Spalding, to Bette June Parson, Spalding.

DEATHS

COLTMAN.—On August 7, Mr. William omas Colman, M.P.S., 9 Sussex Street, idlesbrough. Mr. Colman qualified 1890. Mr. R. MacDonald Murray tes:—"With the death of Mr. W. T. tman Middlesbrough and Tees-side e lost their oldest chemist. Mr. Colman k over the present business in Sussex et, Middlesbrough, fifty-seven years and until a year or two ago was active e business. His wholesale business ame one of the best known on the N.E. st. Mr. Colman was from its inception t launch supporter of the Proprietary cles Trade Association, and was a mber of its wholesale section. In his er days he served as secretary to the s-side Chemists' Association. In 1947 ecelebrated with Mrs. Colman (who sur- s him) their golden wedding."

HALL.—At Law Hospital, Lanark, on ust 9, Mr. James Muir Hall, M.P.S., aged seventy-one. Mr. Hall was senior partner in the pharmaceutical business of J. & D. Hilston, Lanark, and had been associated with the business for fifty-seven years. He entered the employment of the former proprietors at the age of fourteen, and in 1915 he and a grandson (Mr. James Hilston Gordon, M.P.S.) of founder acquired the business, Mr.

Gordon retiring from active participation about twenty years ago. In 1939 Messrs. John W. Prentice and George Hall (a son of Mr. J. M. Hall) were assumed as partners. Mr. Hall is survived by a widow, two sons and two daughters. An illustrated article on the history of W. & D. Hilston since its foundation in 1838 appeared in the *C. & D.*, 1938. I. 568.

CORCORAN. — At her residence, 136 North Strand Road, Dublin, on August 12, Sarah, the wife of Mr. Thomas William Corcoran, M.P.S.I.

DUNNILL.—On July 19, Mr. William Clifford Dunnill, M.P.S., whose address in the register is 10 Gun Street, Reading, aged sixty-six.

HELLENS.—At his residence, 11 Michael Road, Mannamead, Plymouth, recently, after a long illness, Mr. George Hellens, M.P.S., aged seventy-seven. Mr. Hellens qualified in 1893. The funeral was held on August 10.

WILLS

Miss D. I. WILKINS, M.P.S., Tilton, Borough Green, Sevenoaks, Kent, left £1,430 (£1,372 net).

Mr. T. W. CLEAVE, M.P.S., 66 Berriedale Drive, Sotmpting, Worthing, Sussex, left £3,618 (£3,154 net).

Mr. A. H. BROOKS, M.P.S., 5 Gubyon Avenue, Herne Hill, London, S.E.24, left £5,707 (£5,291 net).

Mr. A. BUTTERWORTH, M.P.S., 18 Firwood Avenue, Ewell, Surrey, formerly of Biddulph, Staffs, left £6,682 (£6,623 net).

Mr. C. D. CUMBER, M.P.S., Hillcrest Road, Moordown, Bournemouth, left £30,609 (£29,791 net).

Mr. G. O. PARROTT, 21 Strawberry Hill Road, Twickenham, Middlesex, representative of the Chas. H. Phillips Chemical Co., Ltd., from 1908, left £5,650 (£4,385 net).

Mr. R. R. COATES, Arncote, Juniper Hill, Rickmansworth, Herts, chairman and managing director of Coates & Cooper, Ltd., manufacturing chemists, left £20,126 (£19,706 net).

Mr. A. J. W. BROWN, 67 Moor Crescent, Gosforth, Newcastle-on-Tyne, northern division sales manager of Thomas Hedley & Co., Ltd., Newcastle-on-Tyne, left £5,096 (£4,768 net).

Mr. C. P. BARNETT, M.A., M.P.S., 68 East-hampstead Road, Wokingham, Berks, chief pharmacist at Warlingham Park Hospital and formerly pharmacist at Pine Wood Sanatorium, left £1,992 (£1,608 net).

Mr. G. PEARMAIN, 131 Langley Way, West Wickham, Kent, a director of McKesson & Robbins, Ltd., drug merchants, Eagle House, 90 Cannon Street, London, E.C.4, left £5,622 (£5,553 net).



TRADE NOTES

New Deodorant Cream.—Spic deodorant cream, recently introduced by R. Demuth, Ltd., Farnham, Surrey, is claimed not to damage fabrics, and to leave neither permanent stain nor powder residue.

Shopfront Renovation. — Nu-Bronze, Ltd., 4 Whitehorse Buildings, 100 High Holborn, London, W.C.1, offer expert advice on problems of shopfront cleansing, bronzing and spraying.

Saccharin Tablets.—Standard saccharin tablets are offered in this issue by HENRY & LEIGH, LTD., 7 Underwood Road, London, E.1; and by L. A. HOARE, LTD., Farnley Road, South Norwood, London, S.E.25.

Liquid "Lipstick." — Bevington Merchandising Co., Ltd., 62 Stoney Lane, London, E.C.3, manufacturers of liquid Lip-tone, claim that their preparation is the original liquid "lipstick" and "the only one that really won't rub off."

Prices Reduced. — Details of new reduced prices for Suba-Seal hot-water bottles are given elsewhere in this issue in an announcement by the manufacturers, William Freeman & Co., Ltd., Subaseal Works, Peel Street, Barnsley, Yorks.

Reintroductions. — Ciba Laboratories, Ltd., Horsham, Sussex, have reintroduced Dial liquid compound, 0.1 gm. per c.c., in bottles of 15 and 100 c.c.; and Dial ampoules, 0.2 gm. in 2 c.c., in boxes of five and twenty ampoules.

Press Advertising.—Details are given on another page of advertisements for Liquifruta herbal cough medicine now being issued by the manufacturers, Liquifruta Laboratories, 51 Clapham Road, London, S.W.9.

Return to Pre-war Formula.—Splendor, Ltd., 7 Lower Belgrave Street, London, S.W.1, state that Polident denture cleanser is again being manufactured to its pre-war formula. Chemists are invited to write for details of a bonus scheme for this product.

Bonus Offer Extended.—Southon Laboratories, Ltd., 88 Upper Richmond Road, London, S.W.15, announce that the company's bonus offer of Esoban cream of calamine is being extended until September 11.

Container Sizes. — The Anglo-French Drug Co., Ltd., 11 Guilford Street, London, W.C.1, state that Syrup Pertussis (Gabail) is issued in bottles of 4 and 16 oz.

and not as inadvertently stated in the company's announcement in a recent issue of the *C. & D.*

Dispensing Unit.—To meet pharmacists' needs resulting from the increased prescribing of Benecol intestinal extract in the treatment of rheumatic disease, makers (Benger's, Ltd., Holmes Cheshire) have introduced a "dispensing unit" containing 1,000 capsules.

Popular Proprietaries.—Johnson & Johnson (Pty.), Ltd., Clarendon Works, Hove, Sussex, draw attention to the range of popular specialities of which they are the distributors. The products include Seltzer granules, Vola throat tablets, Johnson's celery perles, balm and bath oil and Johnson's foot balm.

Delivery Delays. — The International Chemical Co., Ltd., Chenies Street, London, W.C.1, regret that, owing to unprecedented demand, they are unable to maintain deliveries of Anadin and Bisol. They are doing everything possible to increase production and hope to resume supplies at an early date.

Plant Enlarged. — The Automatic Weighing & Packing Machine Co., 100 Line Street, Birmingham, 3, announce that they are now well established in a new factory and have been able, with the aid of the Bromsgrove and London Collieries, to increase production capacity tenfold. Even so, they find difficulty in keeping pace with demand.

Plastic Hair Curler.—A new type of Flexi-curler, which is available for distribution through chemists and other



made in flexible plastic material. The hair is passed through a slit, curled, and

ole to be closed in a ring. The device has no metal parts and is claimed to be comfortable in use. The Flexi-curler is applied in colours to tone with blonde, brown or brunette hair. The manufacturers are S. B. Jackson, Ltd., Windsor House, Victoria Street, London, S.W.1.

Now Available.—Remington Rand, Ltd. (electric shaver division), Commonwealth House, 1 New Oxford Street, London, W.1, announce that Remington electric shavers (including the new Blue Streak shaver, which incorporates four long-r shaving edges and two close-shaving faces) are now available to retailers. Particulars may be obtained from the manufacturers.

Lipstick in New Shade.—J. Grossmith Son, Ltd., 45 Piccadilly, London, W.1, have made available a new shade of their lipstick (see *C. & D.*, May 1, p. 560). The new shade, lilac rose, is described as "more vivid and sophisticated than blue rose," and is suggested as suitable for day or evening wear for most colour types and delightful when worn with grey, lime green or soft blues."

Colour Type Chart.—A three-fold card issued by Yardley and Co., Ltd., 33 Old Bond Street, London, W.1, is described as "a guide to the new natural loveliness." It gives examples of harmonising selections of face-powder and lipstick for fair-skinned, "in-between," and dark-skin types, and suggests the correct make-up base to be used by each. Messrs. Yardley invite chemists to call at the company's Bond Street salon for a practical demonstration desired.

Veterinary Form of Speciality.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, introduced recently to the veterinary profession Collotone (veterinary), a preparation evolved from their original product for human use, Collotone. They emphasise that the two preparations are distinct from one another, and that Collotone (veterinary) should always be dispensed when a veterinary surgeon's prescription for Collotone is received.

Clinical Record Films.—A list of clinical record films available from Evans Medical Supplies, Ltd., Speke, Liverpool, 19, includes "Myoidema in a case of Pyloric Stenosis and Emaciation"; "Aortic Aneurysm"; "Chronic Lethargic Encephalitis"; "Chronic Encephalitic Parkinsonism"; "Dystrophia Myotonica"; "Contraction of the Valve of the Foramen Ovale of a New-born Lamb"; and "Spiral Movement of the Apex of the Exposed Mammalian Heart." The list contains a number of corrections made necessary in an earlier leaflet.

Forthcoming Trade Fairs.—The *C. & D.* will be represented at the British Exhibition, Copenhagen, Denmark, September 18 to October 3, and at the St. Eric's Fair, Stockholm, Sweden, August 25 to September 5. At Copenhagen, copies of the paper will be on display, and there will be references to it in an exhibit projected on an apparatus known as a Screenascope. At Stockholm, copies of the paper will be displayed at the stand of Wennergren Williams, A.B., Stockholm, and there will also be an arresting wall exhibit of the *C. & D.* and associated publications.

Factory and Office Lighting.—A noteworthy installation planned by the illuminating engineering department of Siemens Electric Lamps & Supplies, Ltd., 38 Upper Thames Street, London, E.C.4, included 150 40-watt Sieray fluorescent fittings in a basement canteen (illustrated alongside) and nearly 1,000 200-watt tungsten lamps in Holophane Correctalite glassware, providing 15 lumens per sq. ft. on six floors.

Shopfittings.—A. J. Gupwell (Shopfitters), Ltd., 54 Bradford Street, Birmingham, 5, invite chemists to apply for their catalogue of modern display fittings.



PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

At its recent meeting the Council considered the position of hospital and retail-employee pharmacists under the National Health Service and made new plans for dealing with the finances of Birdsgrove Hospital

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held in London on July 27 and 28, the president (Mr. H. Clement Shaw) in the chair.

It was announced that Mr. L. H. Teare would be invited to serve as the Society's representative on the City of Birmingham Advisory Committee. On the recommendation of the Birmingham Branch, the Thomas Chase prize for 1948 was awarded to Mr. James Meagher Lynch. Two posts had become vacant in the Scottish Department—that of assistant resident secretary, and that of laboratory assistant. Applications to fill both would be invited through the usual channels.

Attention was drawn to the position of hospitals which, under the system of the new National Health Service Act, would supply other hospitals with dangerous drugs. At present the law did not permit this to be done without a licence. It was reported that the Home Office intended to alter the Dangerous Drugs Regulations in due course to meet that and other changes brought about by the National Health Service.

Brighton Conference

The report of the British Pharmaceutical Conference Executive stated that twenty-seven of twenty-nine applications received for financial assistance under the scheme for encouraging young pharmacists to attend the Conference, funds for which had been provided by the Council, had been approved and one had been conditionally approved. The Council approved for submission to the Branch Representatives' meeting on September 2 a memorandum on the proposed revision of the Society's constitution and a statement on the pharmaceutical aspects of the National Health Service. The B.P.C. Executive reported an invitation from the Blackpool Branch for the Conference to meet in Blackpool in 1949, during the week beginning September 12, and agreed to recommend to the annual meeting that the invitation be accepted. The B.P.C. Executive submitted a report of the Conference research list subcommittee dealing with the organisation of research, and the Council referred the matter to a committee consisting of the president, vice-president,

and the chairman of the Codex Revision Publications and Education Committee with power to co-opt additional members.

Discussions with Ministry

MR. F. C. WILSON, who was re-elected chairman of the Public Services Committee, said that following a report of discussions with the Ministry of Health, the Public Services Committee had decided that chief pharmacists of hospitals should be advised to approach their management committees to clear up any doubt about their position in relation to supply officers, reporting if necessary to the Society; (2) that the Department's reply to the position of employee pharmacists was unsatisfactory, and should be further pressed; and (3) that Pharmaceutical Committees should be asked to inform the Society of any health centre proposals in their areas. The Committee also considered a statement issued by the Ministry of Health concerning arrangements for supply of medicines to members of hospital staffs but decided that no action was called for.

THE SECRETARY reported that the Ministry of Health, replying to a request that the Society should be one of the bodies consulted on the composition of the Advisory Committee under the Radioactive Substances Act, had stated that he would first consult the other Ministers who would be concerned in setting up the committee.

The Council took note of a definition of the word "chemist" which it was proposed to include in a new charter for the Royal Institute of Chemistry, and decided to reply that the Society had no objections to offer.

The Public Services Committee reported that arrangements were being made for the Council to see a film prepared by the Pharmaceutical Society of Australia for teaching purposes to illustrate the dispensing of pills.

New Branches

MR. F. G. WELLS (chairman, Organisation Committee) reported that the Wiltshire and Herefordshire Branch had been divided into two, and the Worcestershire section was now to be called the Worcester City and County Branch. An application from members in Uganda for approval

formation of a local Branch was approved by the Council at its meeting.

The report of the Law Committee showed that in June 1948, the Society's directors and agents visited 886 authorised sellers, 103 listed sellers, and 410 drug stores and similar traders. Action had been taken in twenty-one cases of alleged infringements of the Pharmacy Acts. Mr. HIRST (chairman) said an unusually large number of cases of advertising contrary to the principles laid down in the Council's statement on Matters of Professional Conduct "was thought to be due to the neglect of the National Health Service. Unsatisfactory replies had been received from advertisers written to on the instructions of the Council at its previous meeting, and was agreed that letters should be sent in seven new cases. A letter from the Town Clerk of Bristol called attention to the dangerous practice of using, for packing infectant and detergent solutions, bottles that had been previously used for inkable substances, and asked whether the Society could help to stop the practice. A reply was sent explaining steps that were being taken. Considerable evidence had been received that listed sellers of Part I poisons were selling nicotine solutions without complying with the requirements governing the sale of First Schedule substances. The secretary had been asked to draw the attention of the County Councils Association and the Municipal Corporations Association to the need for stricter enforcement of the Pharmacy Acts.

It was reported that Mrs. Irvine had been appointed chairman of the Publications Committee; the committee recorded appreciation of Mr. Deacon's services as chairman over a long period.

Benevolent Fund

The report of the Benevolent Fund Committee, presented by Mr. E. A. Brocklehurst, showed that grants amounting to £165 had been made to six widows and one member. The Council approved commendations for three further grants amounting to £312. A grant of £2 to enable a member to pay his personal registration fee was also reported. Grants amounting to £77 were made from the War Aid Fund to two applicants, and commendations in two further cases, amounting to £470, were approved. The total received for the War Aid Fund to July 26 was £40,600, and expenditure £20,211. THE PRESIDENT called attention to a report, published recently in the press, of a member of the Society who

had been blinded during an air raid in the recent war. He had been helped by the War Aid Fund to change his occupation and was now a successful physiotherapist.

Finances of Birdsgrove House

Proposals for setting up a separate fund for the maintenance of the Society's convalescent home at Birdsgrove House were put forward in a motion by Mr. H. M. Hirst and in formal recommendations by the Benevolent Fund Committee. The ultimate aim, it was stated, was to support the home from resources other than the Benevolent Fund. Mr. HIRST urged that an annual appeal for the home should be made when forms for the payment of registration fees were circulated. He asked that a special committee of the Council should be appointed to administer its finances. Mr. BROCKLEHURST said that his Committee favoured the creation of a separate fund to be the subject of independent appeal, but recommended that the management of the home should remain the responsibility of the Benevolent Fund Committee through a subcommittee. Until the new fund became self-supporting the financial responsibility also would continue to be accepted by the Benevolent Fund Committee. The committee regarded the home as an important part of its work. THE TREASURER and other speakers pointed out that for the time being the cost of maintenance of Birdsgrove House would have to be borne, as hitherto, largely by the Benevolent Fund, and it should be administered by a subcommittee responsible to the Benevolent Fund Committee until sufficient resources were accumulated. Responsibility might ultimately be transferred to a special committee. The recommendations of the Benevolent Fund Committee were approved, alternative motions being withdrawn, on the understanding that the position would be reviewed after a year. A number of donations and gifts for the home were acknowledged. The number of guests accommodated to June 30 was ninety-eight.

On the recommendation of the Joint School Committee authority was given for the award of the following prizes for 1948 to students in the Society's College:—**PHARMACEUTICS**: *First year*, bronze medal, K. Wibberley; general certificate, D. B. Cowell; practical certificate, Miss P. M. Morton. *Second year*, silver medal, M. J. Williams; general certificate, S. Vora; practical certificate, C. W. T. Ridout. **PHARMACEUTICAL CHEMISTRY**: *First year*, bronze medal, D. B. Cowell;

general certificate, K. Wibberley; practical certificate, Miss P. M. Morton. *Second year*, silver medal, M. J. Williams; general certificate, Miss C. G. Cox; practical certificate, M. J. Williams. **PHARMACOGNOSY:** *First year*, bronze medal, D. B. Cowell; general certificate, K. Wibberley; practical certificate, R. Fleming. *Second year*, silver medal, Miss M. L. Knowles; general certificate, W. E. Brocklehurst; practical certificate, H. G. Baker. **PHYSIOLOGY:** *First year*, bronze medal and practical, D. B. Cowell; general certificate, K. Wibberley. **FORENSIC PHARMACY:** *First year*, certificate, A. Lee. **PHARMACOLOGY:** *Second year*, silver medal and practical certificate, W. E. Brocklehurst; general certificate, M. J. Williams. *Martindale memorial medal*, D. B. Cowell; *C. J. Hewlett Exhibition*, K. Wibberley.

The Council approved that the forensic pharmacy syllabus for the Chemist and Druggist and Pharmaceutical Chemist Qualifying examinations should be amended by the substitution of the National Health Service Act for the National Health Insurance Act, and by the addition of the Penicillin Act 1947 and the Radioactive Substances Act, 1948. Due notice of the changes would be given, and candidates would not be examined on the new basis until after an adequate interval.

Proprietary Names in Codex

The Codex Revision Committee reported that it had considered a resolution passed at the Branch Representatives' meeting on May 20, calling for the inclusion of proprietary names in the Codex under the appropriate monographs, and the inclusion of "broader reference" to physical characteristics such as specific gravity. The committee reaffirmed its view that the inclusion of proprietary names in the text of the Codex was impracticable and undesirable, and that the first request could be met only to the extent of including a two-way list for single chemical substances new to the B.P. or the Codex. References to physical characteristics were already included in the present Codex, and in the 1949 Codex would be given greater prominence.

The report of the examinations in England and Wales held in June-July showed that for the Intermediate examination 244 candidates entered, sixty-two passed, sixty-three were referred, two were absent and 117 failed; of thirty-six entrants for a referred subject, eighteen passed, one was absent, and seventeen were again

referred. For the Chemist and Drug Qualifying examination, 192 candidates entered, 102 passed, forty-two were referred, five were absent, and forty-three failed; ten out of seventeen candidates passed in a referred subject, and seven were again referred. MR. MAPLETHORPE (chairman, Education Committee) said it had given the committee much satisfaction to note that in the final Chemist and Druggist examination fifty-three per cent of the entrants had passed, against thirty-eight per cent at the corresponding examination last year.

Examination Concessions

Concessions to one examination candidate under regulation 3 and to three candidates under regulation 30 (3) were reported. Six concessions to ex-Service candidates for post-Service Intermediate examinations and twenty-four for post-service Chemist and Druggist examinations had been granted. Examination fees were returned to five applicants.

THE REGISTRAR reported that since the previous meeting twenty-one persons had been registered as apprentices or students making a total of 493 in the current year. The names of eight pharmacists and addresses of thirty premises removed from the registers in past years were restored together with the names of fifty pharmacists removed during the current year. Applications from five pharmacists formerly of Northern Ireland, Victoria, Queensland (Australia), New Zealand and South Africa respectively, for registration under the reciprocity regulations were provided; two further applications from pharmacists formerly resident in Ontario (Canada) and Northern Ireland respectively were approved subject to payment of the fees.

An Order of the Privy Council, approving the draft by-laws on registration of pharmacists holding diplomas granted in places outside the United Kingdom, was received.

The Human Touch.—I think a [hospital] pharmacist attending the wants of patients even in the largest general hospital should still be allowed time for a few moments to the patient upon any appropriate subject which may serve to round off the corners of a patient's visit. I think this most desirable and is considered by our colleagues to be one of their most important functions.—Mr. John H. W. (chief pharmacist, Royal Cancer Hospital) writing in a recent number of the "Public Pharmacist."

RESEARCH IN THE COLONIES

THE importance to the Colonies of research on insecticides, which, as pointed out *C. & D.*, July 31, p. 153, figured largely in the proceedings of the recent Commonwealth Entomological Conference, is further reflected in the fact that approximately one-sixth of the Report on Colonial Research, 1947-48, published recently by the Colonial Office, is devoted to the subject. The report reveals that, at the Ministry of Supply Chemical Defence Experimental Establishment at Porton, near Salisbury, a research unit is to be established to investigate the comparative toxicities of different types of insecticidal preparations, such as large and small crystals, amorphous solids, films, suspensions, powders and smokes. Attempts are being made in Mauritius and Cyprus to eradicate mosquitoes by the use of insecticides, and in Mauritius a further experiment to eradicate malaria, using DDT and benzene hexachloride, is being planned. In several Colonial territories, the application of insecticides by fixed and rotary winged aircraft is being investigated, while the design of a bomb comprising a number of smoke generators, and intended to be dropped from aircraft, is being undertaken. Experiments with apparatus for producing insecticidal fogs, using benzene hexachloride, have proved encouraging, and tests with insecticide-treated mesh screens indicate that they may provide useful form of protection for people and cattle at river crossings.

Observations have shown that when deposits of DDT are exposed to sunlight, a chemical change occurs in the insecticide. Loss of toxicity in benzene hexachloride when exposed to sunlight on glass plates, seems, however, to be due entirely to volatilisation; it is decreased by solvents of low volatility, such as diesel oil.

Development of Natural Resources

Another important section of the Report indicates that oil from the seeds of *Tetracarpidium conophorum* appears "definitely superior" to linseed oil as a drying oil. Work on the active principle of koussou flowers (*Brayera anthelmintica*) may lead to a useful new addition to the compounds available for the treatment of internal parasites in man and animal. Plants of possible medicinal value that have been examined include *Mitragyna inermis* from the bark of which the alka-

loid mitrincamine has been isolated. *Catha edulis* leaves and *Picralima nitida* seeds have also proved to be rich sources of alkaloids. A phenolic substance chlorophenin has been isolated from Iroko, the timber of the tree *Chlorophora excelsa*, which, it is thought, will probably have fungicidal properties. An active concentrate of the germination factor of *Striga lutea* has been isolated by workers at Leeds University and the work, which may throw light on the germination factor of other plants, is being actively pursued.

In the medical section, work on new antimalarial substances shows that while Paludrine has given highly satisfactory results in India and Malaya, there has been less confidence in the drug in some parts of Africa. The Medical Research Council is investigating possible differences in susceptibility between the African and Asiatic strains of malaria parasites.

RECENT RESEARCH

Potato-Starch Gels.—Whittenberger and Nutting ("Industrial and Engineering Chemistry," August, p. 1,407) have investigated the strength of potato starch pastes which (unlike cereal starches) set quickly, and while gelling have a high viscosity. Using a pasting temperature above 85°, or pH values below 4 and above 9.5, weakened the gels, while gel strength increased linearly with starch concentration between 6 and 11 per cent. Heating the starch at 93° C. with 28 per cent. of moisture before pasting retarded swelling of the starch granules, increased the strength of the gel, and lessened clarity and tackiness.

New Allergy Concept.—Calling for more direct methods of approach in the study of allergy, Lowell ("Journal of the American Medical Association," March 6, p. 665), states that a wide variety of diseases now tend to be ascribed to an allergic origin, in the pathogenesis of which drugs and bacteria appear to play an important rôle. The conditions under which exposure to a substance occurs appear to affect the development of the allergic state. The "striking" effect of adjuvants provide a promising field for investigation. Evidence that bacteria or their products may act as adjuvants and affect the development of auto-antibodies with tissue specificities is held to be particularly important.

MR. WILSON URGES "CO-PARTNERSHIP"

At a conference held in London on August 10 under the auspices of the Association of Pharmaceutical Employees, with Mr. F. H. Connelly in the chair, an audience of about 200 heard an address by Mr. F. C. Wilson (a member of the Pharmaceutical Society's Council) who emphasised that he was speaking in a personal, not an official, capacity.

Non-proprietors Excluded

The only persons in retail who appeared to have direct relations with the Ministry of Health, said Mr. Wilson, were those in direct contractual relationship with the Executive Councils, a state of affairs that constituted an injustice to the profession and to the non-proprietor who often provided the actual service. The Ministry had so far taken the view that emphasis should be placed upon the contract to buy drugs and appliances from pharmacists rather than upon service given by pharmacists to the public at large. The result had been the complete exclusion of all retail employee interests and of the Pharmaceutical Society itself from the Pharmaceutical Functional Council. The Society and representatives of employed pharmacists had been prevented also from taking part in negotiating the terms of service. Retail employee pharmacists had been excluded because they did not exist as an organised entity. Mr. Wilson said that at one time he had been a member of the A.P.E. but had left the organisation after hearing a union official say that there was no difference between the pharmacist and the man who managed a grocery or butchery shop. If a man responsible for the organisation of the employed pharmacist held such ideas, how could those outside the craft be expected to see the pharmacist's point of view? The union had claimed credit for the inclusion of a fair wages clause in the chemist's contract, yet the only way for employees to have achieved representation on the Functional Council would have been by refusing the fair wages clause and insisting on a part in the actual negotiations. The fair wages clause meant only that one could not be employed within the service on conditions less favourable than those offered by the J.I.C. rate, but there were few employee pharmacists who were not already earning much more than that. In a recent publication the A.P.E. had claimed that the em-

ployed pharmacist had responsibilities but no rights, and that his half-holiday was in danger. Such propaganda was no likely to appeal to pharmacists. Employed pharmacists certainly had responsibilities but they also shared the right for which the profession had been clamouring since 184— the sole right to dispense or to supervise the dispensing of the nation's medicines. The National Health Service Act gave local authority the right to provide, in its health centres, pharmaceutical service by registered pharmacists only—a guarantee against any dilution of pharmaceutical labour. Employed pharmacists also had the right to seats on the local Pharmaceutical Committees, although the whole of the cost was borne by the employers.

The Government was not likely to amend the Shops Act so that one section of the community lost its protection. Suggestions had been made from the employers' side to amend the Act, but Mr. Wilson understood the proposal was to allow an employed pharmacist whose half day had been broken by providing a rota service to have that time replaced not during the same week, as at present, but in some other way, perhaps by extension of his annual leave.

Policy for Employees

The policy of those responsible for the organisation of pharmaceutical employees should be to remove the emphasis from remuneration and to concentrate on status. Ultimately status would decide remuneration and remuneration would rise as status was increased. Status could only be improved by co-partnership between employers and employed. Attempts to make the employed pharmacist antagonistic toward his employer would never bring results because the employed man was often on friendly terms with his employer. Co-partnership did not mean that the employee should be represented on committees and on councils by trade union officials whom he had never met. Co-partnership in pharmacy meant that each employed pharmacist should have the opportunity to acquire a share in the actual ownership of the business in which he was employed. Many pharmacists had substantial financial interests—and therefore a voice—in the conduct of the businesses in which they were employed. The problem was more difficult but not im-

possible in the large public companies. How much more happy, concluded Mr. Wilson, would be the situation of employed pharmacists, and how much higher would be their status, if they were all in a position to own, in part, their employing concern.

In the questions and discussions that followed, the suggestion of co-partnership was dismissed by one speaker as a "red herring." Another thought that a meeting of employers would be a more suitable place for Mr. Wilson's plea.

Compensation for Rota Work

Several speakers challenged the statement that the employee's half-holiday was not in danger. Mr. A. WIND (an organiser of the Union of Shop, Distributive and Allied Workers) stating that in some areas rota schemes already provided for a seven-day service even before the Shops Act had been amended. He saw no reason why pharmaceutical employees should lose their half-holiday because of their professional duty to the public. It should be possible for them to have their half-day either on the day when doctors held no evening surgery, or by a system of closing some shops on, say, Wednesdays, and some on Thursdays. A member of the audience said that employees had not been consulted when a rota scheme involving loss of half-holidays had been arranged in his district. Another said that some doctors were urging that chemists should all be open until 7 p.m., with a rota to cover 7-8 p.m.; demands for even later opening might be made.

Answering a question on whether many prescriptions dispensed during rota service opening could be classified as urgent, Mr. WILSON said the criterion for urgency should not be too harsh; a patient with a prescription for a simple cough mixture that would ensure him a night's rest should have a reasonable opportunity to have it dispensed. Local hours-of-service sub-committees included three members appointed by local Pharmaceutical Committees, and there was no reason why they should not include representatives of the employees.

Organising the Employees

Agreement appeared general at the meeting that the employees would not achieve a satisfactory voice in N.H.S. matters or representation on the Functional Council until they were strongly organised, but there was a division of opinion on the

way such organisation could be brought about. MESSRS. W. S. BENJAMIN and A. WIND, from the platform, were joined by several speakers from the floor in urging the merits of the A.P.E. Alone of the numerous organisations that had been started, they said, the A.P.E. had survived, although its membership was admitted to be "very small." Other speakers, while agreeing that some form of organisation was necessary, supported Mr. Wilson's criticisms of the A.P.E., and thought that any alliance with non-professional shop workers was undesirable. Mr. R. H. HENRIKSEN (a member of the Central Health Services Council and of the Pharmaceutical Functional Council) said that representation of retail employees on the Functional Council would not be the end of their battle. They should look further ahead—there was no reason why they should not work to achieve representation on the Pharmaceutical Standing Advisory Committee and even, eventually, on the Central Health Services Council.

Resolution Carried

A resolution proposed by Mr. W. S. BENJAMIN, deploring that retail employee pharmacists had not been consulted nationally in arrangements for the new pharmaceutical service, and demanding that retail employee pharmacists, as "the dispensers of approximately half the nation's medicines," should be made parties to the N.H.S. dispensing contracts and fully consulted on all matters affecting the operation of the pharmaceutical service by means of adequate representation on the Pharmaceutical Functional Council, was carried with only one member of the conference dissenting.

Hornet-sting Problems.—"Information on how to deal with a toxin so powerful as that of the hornet is alleged to be entirely missing from my books. Thirty years ago a correspondent in 'The Times' first advocated using dilute acids (e.g., vinegar) for wasp-stings and dilute alkalis (e.g., ammonia) for bee-stings. Martindale gives a comprehensive list of remedies, including onion, but does not fit the remedy to the type of insect biting or stinging. Apparently both bee and wasp venoms are proteins, and the main troubles arise from allergic reactions or even anaphylactic shock if the sting gets into a vein. Webster's Dictionary defines a hornet as a large wasp, so that the local application of vinegar seems reasonable."—A Peripatetic Correspondent in the "Lancet."



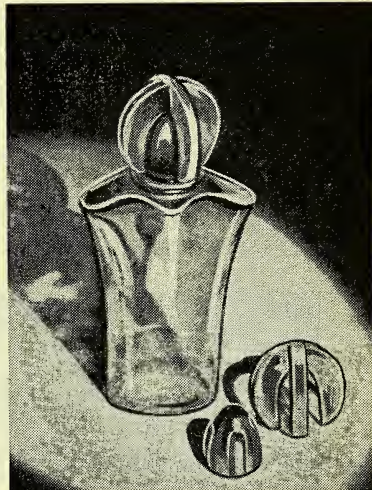
THE DESIGNER. Mr. Reco Capey, R.D.I., examines at his workbench the first completed example of the new bottle he has created for the perfume. At the start he submits forty or fifty suggestions roughly sketched out. From the sketches a selection is made. The design selected is shown alongside.



CHOOSING THE CARTON. Packages of innumerable shapes and decorative coverings are made are short-listed for a conference at which the final selection is to be made. The six undergo furtherment. The selectors favour the model shown (central picture)—a rectangular box, its base pierced present the bottle at an angle, its decoration a pattern in colours and gilt on a white ground

CREATION OF A PERFUME PACK

A new presentation of a popular British perfume, to be marketed shortly for the first time in Britain, emerges from a sketch on the designer's bench into the complete commodity.



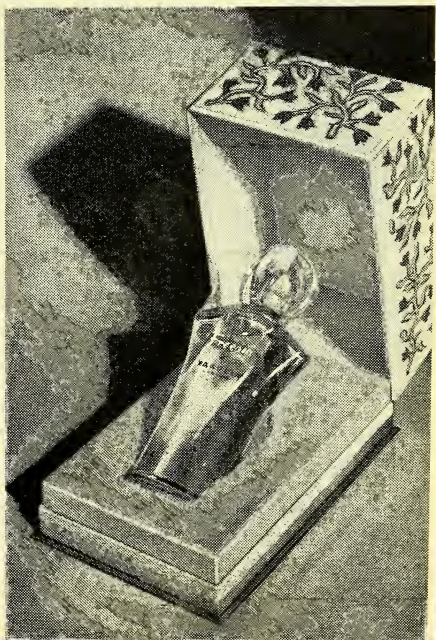
THE SCALE DRAWING. A finished "wash" drawing is prepared of the chosen bottle and cap.

THE PROTOTYPE. From the drawing a prototype of the bottle is constructed in plastic material.

THE BOTTLE. After any desired modifications have been made, working drawings are prepared of the bottle and cap. Moulds are made and the bottle goes into production.



THE PACK COMPLETE (right). From working drawings supplied to the box maker, and finished drawings giving to the printer all necessary details (including lettering), the pack reaches completion.



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PL. CL. AUGUST 21, 1948 No. 3574

Pricing by Averages

CHEMISTS in all Executive Council areas of England and Wales except those of Lancashire, Manchester and Salford are affected by arrangements just announced (p. 232) for the pricing of National Health Service prescriptions dispensed during August and September. Except in the three areas stated, prescriptions for the 12 months are to be sorted into two groups—those having a net ingredient cost per prescription (not per form) of 5s. or more, and those whose net ingredient cost is less than 5s. The two groups are to be put one above the other in a single bundle for the pricing office. Those in the "5s. and over" group are to be priced in detail by the present "interim" method. The remainder are to be priced on an averaging system based on the contractor's own average gross cost in July (i.e., ingredient cost plus dispensing fee, "oncost" allowance, etc.) for all prescriptions dispensed at a net cost of under 5s.

The August and September prescriptions will have a 2 per cent. sample of the chemists in each pricing-office area are to be priced in detail, and the average gross cost of prescriptions having a net ingredient cost of under 5s. is to be determined for each of the 12 months July to September. Each contractor's gross cost figure for July is then to be adjusted (upwards or downwards) for August and for September on the basis of the variations shown by the "sampling" for the area. Thus the actual payment made for the "lower cost" group of prescriptions for August and September will be the number of such prescriptions multiplied

by the chemist's own average gross cost for July, after it has been adjusted for the particular month. The system, which should do much to overcome delays in the payment of chemists' accounts, makes allowance for the wide differences that may exist between one pharmacy and another in the average cost of prescriptions received. The choice of July as the basic month was unavoidable at so early a stage, though July may well prove to be a far from typical month. The 2 per cent. sample taken should reflect any general change in prescribing habits that may have taken place subsequently. To be successful, the scheme must do more than make it possible for the chemist to receive his cheques with less delay—it must result in the cheques approximating in amount to what would have been paid if the prescriptions had been priced in detail. A point to be noted is that some forms, since they will bear prescriptions belonging to both groups, will need to be priced partly in detail and partly by averaging. They should be included, in the first place, in the "over 5s." group when being forwarded to the pricing office.

Industrial Medicine

THE first post-war Congress of Industrial Medicine, organised by the *Commission Internationale Permanente pour la Médecine du Travail*, is to be held at the Caxton Hall, London, in September. Since the Commission was founded in Milan in 1906 the attitude of both employers and employed to industrial medicine has changed considerably. Where, forty years ago, prevention of accidents and first-aid treatment of injured workers were its chief if not its sole functions, today the field has widened to cover all conditions of work, including such things as ventilation, lighting and the provision of rest and recreational facilities.

Pharmacy can claim to have taken some part in the newer developments of industrial medicine. The ever-increasing complexity of chemical processes used in industry has brought in its train hazards to the workers. Safeguards have been needed which have called for research by industrial medical officers, working in conjunction with pharmacists and chemists. Per-

haps one of the greatest developments has been in the prevention of industrial dermatoses through the use of barrier creams. Workers in many industries have been subject to dermatoses caused by the irritant action of chemical substances which they handle. The purpose of barrier creams has been to prevent the entry of these substances by effectively sealing the skin. By reason of the variety of chemicals used and the differing conditions of work, a universal protective cream has not yet been found, nor, on *a priori* grounds, can such a simple solution of the problem be expected, for factors such as acidity, alkalinity, the nature of the base (e.g., oil or spirit) and, possibly, specific allergies, may preclude the development of a single product. So recently as 1946, the Australian Scientific Research Liaison Office, in a report on industrial protective creams, emphasised that "it is impossible to produce one cream which will prevent all types of industrial dermatoses. The type of cream must be selected to suit the particular risk . . ."

A problem that faces industrial medicine today is the provision of adequate safeguards for workers in small factories. In Britain a large proportion of the working population is employed in concerns too small to carry a medical officer. In these factories and workshops conditions tend to be unsatisfactory. A criticism of the National Health Service Act put forward in some quarters is that it has failed to deal with this pressing problem, although the Royal College of Physicians recommended three years ago that industrial medicine should be brought within the ambit of the new health service. If that had been done, medical practitioners would have been assigned to cover the many workplaces outside the scope of the Factory Acts. It is to be anticipated that this problem will be given full consideration by the Congress.

Retail Employee Organisation

EXCEPT for the references to the National Health Service, much of what was said at the recent London conference of retail employee pharmacists (see p. 242) might equally well have been said at a similar conference held, say, ten years ago. Then, as now, a large section of the profession

was without any organisation to represent its particular interests. Then, as now, there was disagreement on the form of an organisation should take. For more than ten years the Association of Pharmaceutical Employees has been urging its own membership as the most suitable organisation, and Mr. W. S. Benjamin pointed out, when some of the other organisations that have been launched have since been lost at sea, that the A.P.E. has at least survived. Its membership, however, continues to be, on the admission of one of its officials, "small." The apparent contradiction between the undoubted consciousness, on the part of employees, of the need for an organisation, and the continuing insignificant level of A.P.E. membership, suggests that the criticisms made by Mr. Williams and others are well founded. The A.P.E. has yet to succeed in convincing any substantial body of opinion that its part of the body, the Union of Shop, Distributive and Allied Workers, is really alive to the professional rights and responsibilities that distinguish the work of the pharmacist from that of other distributive employees.

Compensation or a New Lease of Life

FORMS of notice claiming compensation for goodwill or for the grant of a new lease are obtainable from any law stationer, but the forms do not answer the question how to arrive at the amount to be claimed for compensation. That figure should always be put in the notice of claim. An approximate figure will do, but it should not be out of all proportion to what is justified by the circumstances. If and when proceedings are brought, it may become necessary to make a more accurate estimate, for which purpose the assistance of experts should be sought. Until then, a trader can save himself considerable expense by working out an approximate figure for himself.

The underlying principle of the Act is to grant compensation, not on the basis of loss suffered by the tenant, but on the basis of the gain accruing to the landlord by reason of the trading, as reflected in the high rent he will be able to obtain for the premises when the tenant leaves. The tenant is not entitled, moreover, to the benefit of any goodwill, other than that which has been directly created by him, and any tr

due solely to alterations of the premises to meet growth of population in the district must be discounted. Goodwill may be personal, fugitive or adherent. Personal goodwill, as its name indicates, is represented by the trade that follows the trader to his new premises when he leaves the old. Having regard to the practical impossibility of obtaining alterations to premises in these days, cases involving no personal goodwill are rare. Some of what otherwise would have been personal goodwill will either adhere to the old premises (adherent goodwill) or else will entirely disappear (fugitive goodwill). In order to establish a claim for a new lease there must be some proportion of fugitive goodwill, for, if there is adherent goodwill only, and no personal goodwill, the claim will lie for compensation only, and not for a new lease. That is a point on which to base the important rule: if there is no fugitive goodwill, compensation only, and not a new lease, should be claimed. To work out the claim one takes the average net profits of the business during the previous six years. That figure represents the whole trade, and includes all elements of goodwill, whether adherent, personal or fugitive. From the resultant figure is deducted that proportion which seems reasonable in the circumstances as representing fugitive or personal goodwill. In an average case, 40 per cent. of the trade may well be the proportion. Then if, say, the whole of the net charges on the average is £1,000 per annum, and 40 per cent. is deducted for personal or fugitive goodwill, the remainder is £600 per annum. That amount of trade should adhere to the premises even after the tenant has left. But the adherent goodwill at £600 per annum requires a further apportionment. From it must be deducted the portion of the trade due to the site, and to such other factors (say 25 per cent.) as have no relation to the trading by the tenant himself. That leaves £450 per annum, representing the trade in respect of which compensation may be receivable under the Act. The £450 per annum must next be capitalised. The multiplier depends on the number of years' purchase usually paid in the trade on the sale of the business. If that is twenty-one years' purchase, the capital value of the

goodwill in respect of which compensation is receivable would be $£450 \times 21 = £9,450$. In such circumstances the tenant would be entitled to £9,450, which is the figure he should put in his notice as the amount of compensation claimed. At this stage the tenant should not concern himself with anything more. If however, the case goes to the courts, it will be for the tenant's surveyor to calculate, on the basis of the figure of £9,450, the amount of the increased rent of the premises. Usually the notice of claim must be sent to the landlord at least twelve months before the tenancy is due to expire.

Attack on the Sheep Tick

By no means the least remarkable achievement of the Department of Scientific and Industrial Research during the war years (as recorded in its recently-issued report for the period 1938-46) was that it found opportunity to collaborate with the Agricultural Research Council in a series of productive researches on the control of ticks, blowflies, keds and the tick-borne diseases of sheep. Valuable work was done in formulating preparations containing DDT and in observing the best methods of applying them. For example, dipping techniques were found only partially successful. Better results are looked for from spraying with a cationic emulsion of DDT, provided that an improved spraying apparatus can be designed. Cationic emulsions proved unsuitable for dipping because the first few sheep were found to exhaust the DDT from the bath, while the gradual accumulation in the dip of sweat washed from the sheep tends to break the emulsion. Good results against blowflies have been reported from a 15 per cent. DDT emulsion, and farmers have been impressed by the success against keds of an 0.5 per cent. DDT winter dip containing 0.5 per cent. wool grease as a waterproofing agent.

"Cripple" and other tick-borne diseases of lambs have been found to yield to a salve containing 10-20 per cent. dibutyl phthalate and 10 per cent. DDT. The pace of research in this field may be expected to quicken as the Department returns fully to its peace-time basis. Further improvements in technique may be looked for.

DIGBY'S POWDER OF SYMPATHY

By Howard Bayles

THE censorious statement in the Dictionary of National Biography that Sir Kenelm Digby's originality in discovering the vulnerary use of his powder of sympathy is "very questionable" is one of the few slips in that great work of reference. If the writer of the statement had opened Digby's monograph on the subject at page six and had read the next few pages, he would have seen that the author did not claim any such originality. That book is entitled "A Late Discourse Made in a Sollemne Assembly of Nobles and Learned Men at Montpellier in France, By Sr. Kenelme Digby, Knight, &c. Touching the Cure of Wounds by the Powder of Sympathy; With Instructions how to make the said Powder. . . ." It was published, ostensibly as the second edition, translated from the French version by "R. White, Gent.," in 1658. The British Museum copy comprises 152 pages, an introduction, and a table of contents. The French King's licence for printing the Discourse is dated December 21, 1657. Editions in French, German and Latin are also in the British Museum.

Tributes

It is easy to make fun of an amateur who dabbled in science and got out of his depth. But it is as well to remember that Digby stood high in contemporary esteem, and that he was a Fellow of the Royal Society at the time of its incorporation. In the seventeenth century even such distinguished men of science as Boyle and Ray found it easier to co-ordinate facts than to formulate satisfactory theories. Sir Thomas Browne paid a physician's tribute to the powder (Letter 118 in Geoffrey Keynes's edition): "I have found the pulvis sympatheticus very successful, shée [the patient] bleeding upon it and wrapping some of it in a double or trebble

cloth and keeping it about her." In the Discourse its author expressly disclaimed "any effects of Charme or Magick herein." He considered that his process was a scientific one.

After a few preliminary remarks, the address at Montpellier continues with an account of the cure of James Howell in the reign of James the First. The King, on hearing of the case, expressed interest. Digby gave him some of the powder, and communicated its method of preparation and use to Sir Theodore Mayerne. The secret had been imparted to the speaker in Italy by a Carmelite monk, who brought the powder in the first instance from "the Indies and Persia." In course of time the substance with its application ceased to be a secret; in 1658, we read, "there is scarce any Country Barber but knows it." Digby apologises for his

imperfect French: he finds himself, he says, "obliged to display his sense in a language wherein he can hardly express his ordinary conceptions." (In the French version this reads: "Un discours de cette nature, ne se doit pas attendre d'un étranger, qui se trouue obligé de dire ses sentimens en vne langue, en laquelle il a peine d'exprimer ses conceptions ordinaires.")

The author of a discourse may be allowed, no doubt, to be discursive. Digby however, availed himself of this privilege to such an extent that a full account of his Montpellier address might render this article unreadable. An outline must therefore suffice. The expression of regret for linguistic deficiency just cited is followed by the first of seven principles. This is formulated thus: "That the whole Orb or Sphere of the Aire is filled with light." Modern readers with unlimited patience may like to trace the connection of this and the other principles with the treatment of



[By courtesy of the British Museum]

wounds; they may be able to do so by reading about a hundred pages. Eventually the author's meanderings bring him to "the great channel and thread" of his argument. He claims that "the bodies which draw the atomes dispersed in the aire, attract unto themselves with a greater power and energy such as are of their own nature, then [i.e., than] such as are heterogeneous, and of a strange nature. . . ."

Subtle Insinuation

Among the effects of this principle is, according to Digby, the action of common salt when thrown on a fire on which milk has boiled over: injury to the cow that yielded the milk is thereby prevented. That this kind of explanation was taken seriously by learned men is shown in "The Vanity of Dogmatizing" (1661), by Joseph Glanvill. Paraphrasing the argument I have sketched, he states that the "sympathetic medicine" acts by the agency of "*atomical aporrhæas*, which passing from the *Cruentate* cloth or weapon to the wound, and being incorporated with the *particles* of the *salve* carry them in their embraces to the affected part: where the *medicinal atomes* entering together with the *effluvijs* of the blood, do by their subtle insinuation better effect the cure, then [i.e., than] can be done by any grosser Application."

The method of treatment was more definite than is generally understood. A quotation from Digby's own statement will make this clear. In his process the patient's garter

"is taken covered with the blood that issued from the wound, it is steeped in a bason of water where Vitriol was dissolved, one keeps the bason in the day time in a closet, in the moderate heat of the Sun, and at night in the chimney corner, in such sort that the blood which is upon the garter way [i.e., may] be alwaies in a good naturall temperment neither colder, nor hotter than in the degree required for a healthfull body. . . ."

Temperature Important

A correct range of temperature is important. No good effect will be received from "the said Powder" if the basin containing it and the garter is put into a cold room or cellar: too much heat will also be detrimental. Again, the covering of the basin with "some thick, stuffing and

spongy cloth" may hinder the curative process. The explanation of the method is divided into seven parts.

The preparation of the ferrous sulphate, though apparently of minor consequence, is not overlooked. The "primitive manner" of using this remedy, Digby states, was to take "the common sort, as it came from the Druggists, without any preparation or addition at all, and to dissolve it in fountain water, or rather in raine water. . . ." Now, however, most practitioners "do endeavour to have Vitriol of *Rome* or *Cyprus*, and calcine it white in the Sun: And besides, some use to adde the Gumme of *Tragacantha*. . . ." The author has seen results as good, he admits, with "plaine Vitriol of eighteen pence the pound" as with the newer powder; but he gives five reasons for commending the latest treatment, the fifth being that the gum, "having a glutinous faculty, and being for the rest very innocent, may contribute something towards the consolidation of the wound." In 1661 a powder of sympathy, said to cure toothache and "all green wounds that come within the compass of a remedy" was advertised for sale at the sign of the Angel in Cornhill, London; and in "Chymical Secrets" (1682) George Hartman published a method of preparation which he claimed to be the one used in Digby's laboratory.

A Sympathetic Ointment

So accomplished a man as Sir Kenelm Digby could hardly have been unaware, when lecturing at Montpellier, that a sympathetic ointment (or more than one) had been devised. The fact that he made no reference to any such preparation indicates that he wished for no comparison with his specific. His contemporary John Parkinson noted, in "*Theatrum Botanicum*" (p. 1313) the use of *muscus ex cranio*, "the Mosse upon dead mens Sculles," as an ingredient of this kind of ointment. The moss is, he stated, "a whitish short kind of Mosse somewhat like unto the Mosse of trees, and groweth upon the bare scalpes of men and women that have lyen long . . . [it] hath not only bene in former times much accounted of, because it is rare and hardly gotten, but in our times much more set by, to make the *Unguentum Sympatheticum* . . . but, as *Crollius* hath it, it should be taken from the sculls of those that have bene hanged or executed for offences."

B.P. CHANGES AT A GLANCE

(Continued from THE CHEMIST AND DRUGGIST, July 17, p. 90).

New monographs in **Black Type**.

Injectio Gonadotrophini Chorionici.—Sterile solution of Chorionic Gonadotrophin in Water for Injection.

Injectio Gonadotrophini Serici.—Sterile solution of Serum Gonadotrophin in Water for Injection.

Injectio Heparini.—Sterile solution of Heparin in Injection of Sodium Chloride (containing 90.0 to 110.0 per cent. of units per mil stated on label).

Injectio Hexobarbitoni Sodii.—Sterile solution of Hexobarbitone Sodium in Water for Injection freed (by boiling) from carbon dioxide. Prepared immediately before use.

Injectio Histaminæ Phosphatis Acidi.—Solution of Histamine Acid Phosphate in Water for Injection.

Injectio Hyoscinae Hydrobromidi.—Solution of Hyoscine Hydrobromide in Water for Injection sterilised by heating with bactericide or by filtration.

INJECTIO INSULINI.—Addendum VII monograph and title replaces "Insulinum" of 1932 B.P. (i.e., *Insulin tablets* omitted). Insulinum added as synonym. Doses (as determined by physician) and dispensing (20 units per mil).

Injectio Iodoxyli.—Sterile solution of Iodoxylin in Water for Injection. Dispense: 0.75 gm. in 1 mil; or 12 gr. in 15 min.

Injectio Menaphthoni.—Solution of Menaphthone in Ethyl Oleate or a suitable oil sterilised.

Injectio Mepacrinae Methanosulphonatis.—Sterile solution of Mepacrine Methanosulphonate in Water for Injection, prepared immediately before use.

Injectio Morphinae et Atropinae.—Atropine Sulphate, 0.06 gm. and Morphine Sulphate, 1 gm., in Water for Injection, to 100 mls.

Injectio Morphinae Sulphatis.—Solution of Morphine Sulphate in Water for Injection.

Injectio Neoarsphenaminae.—A solution of Neoarsphenamine in Water for Injection prepared immediately before use.

Injectio Neostigminæ Methylsulphatis.—A solution of Neostigmine Methylsulphate in Water for Injection.

INJECTIO NIKETHAMIDI.—Addendum IV monograph modified.

Retained monographs in **CAPITALS**.

Injectio Œstradiolis Dipropionatis.—Sterile solution of Œstradiol Dipropionate in Ethyl Oleate or a suitable oil sterilised.

Injectio Oxytocini.—Headed by "Caution" notice. Synonym: Oxytocin. Sterile aqueous solution containing the oxytocic principle (fractionated) from posterior lobe of pituitary bodies of oxen or other animals.

INJECTIO PENICILLINI.—Monograph added by official "Gazettes" (see *C. & I.* 1946.I.699) modified.

INJECTIO PENICILLINI OLEOSA.—"Gazette" monograph modified. Penicillin (calcium salt), a sufficient quantity (formerly 12,500,000 units) in arachis oil or ethyl oleate with white bees wax.

Injectio Phenobarbitoni Sodii.—Prepared immediately before use by dissolving the contents of a sealed container in the requisite amount of Water for Injection free from carbon dioxide.

Injectio Physostigminæ Salicylatis.—Solution of Physostigmine Salicylate in Water for Injection containing 0.05 per cent. of Sodium Metabisulphite.

Injectio Progesteroni.—Solution of Progesterone in Ethyl Oleate, or in a suitable oil.

Injectio Quininae Dihydrochloridi.—Sterile solution of Quinine Dihydrochloride in Water for Injection. Dispense: 0.3 gm. in 5 mil; or 5 gr. in 75 min. This strength of solution must be diluted with at least ten times the volume of Injection of Sodium Chloride and injected slowly.

Injectio Sodii Aurothiomalatis.—Solution of Sodium Aurothiomalate in Water for Injection.

Injectio Sodii Bicarbonatis.—Solution of Sodium Bicarbonate in Water for Injection, sterilised by heating in an autoclave, or by filtration.

INJECTIO SODII CHLORIDI.—New name for "Liquid Sodii Chloridi Physiologicus". Storage: Injection of Sodium Chloride on keeping may cause small solid particles to separate from glass container and such solution must not be used.

Injectio Sodii Lactatis Composita.—Synonyms: Hartmann's Solution for Injection; Ringer-Lactate Solution for Injection.

- Injection Stibopheni.**—Stibophen, 6.4 gm.; Sodium Metabisulphite, 0.1 gm. in Water for Injection to 100 mls. Adjust to pH 7.0.
- Injection Sulphadiazine Sodii.**—Solution of Sulphadiazine Sodium in Water for Injection freed from carbon dioxide; distributed into ampoules with minimum exposure to air; immediately sealed; and sterilised by heating in an autoclave.
- Injection Sulpharsphenamine.**—A solution of Sulpharsphenamine in Water for Injection prepared immediately before use.
- Injection Sulphathiazoli Sodii.**—Sterile solution of Sulphathiazole Sodium in Water for Injection freed from carbon dioxide.
- Injection Testosteroni Propionatis.**—Solution of Testosterone Propionate in Ethyl, Oleate, or in a suitable oil, sterilised.
- Injection Theophylline cum Ethylenediamina.**—Synonym: Aminophylline Injection. A sterile solution of Theophylline with Ethylenediamine in Water for Injection freed from carbon dioxide.
- Injection Vasopressini.**—Headed by "Caution" notice. Synonym: Vasopressin. A sterile aqueous solution of the pressor and diuretic principles (fractionated) from the posterior lobes of the pituitary bodies of oxen or other animals.
- IPECACUANHA.**—Monograph, amended by Addendum VI, modified. Synonyms omitted. Ipecacuanha consists of the dried root, or the rhizome and root, of *Cephaelis Ipecacuanha* (Brot.) A. Rich., known in commerce as Rio or Brazilian Ipecacuanha, or of *Cephaelis acuminata* Karsten, known as Cartagena, Nicaragua, or Panama Ipecacuanha.
- IPOMŒA.**—"Scammony Root" added to synonyms. Contains not less than 12 per cent. resin (new). Microscopical details added to description. Limit for foreign organic matter (new): 1.0 per cent.
- KAOLINUM LEVE.**—Addendum VI monograph rearranged.
- KRAMERIA.**—Microscopical details added.
- LACTOSUM.**—Graphic formula added. M.W. 360.3 (360.2).
- LAMELLÆ.**—In individual monographs, milligrams are specified (in place of decimals of a gram) for small quantities.
- LIMONIS CORTEX RECENS.**—"Recens" and "Fresh" included in titles of rearranged monograph.

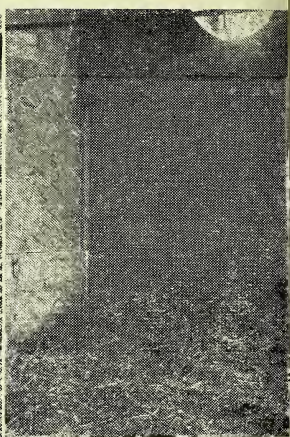
- LINIMENTUM BELLADONNÆ.**—Permission to use Indian Belladonna cancelled.
- LINIMENTUM CAMPHORÆ.**—Arachis Oil (replaces olive oil). Permission to use cottonseed or sesame oils cancelled.
- LINIMENTUM CAMPHORÆ AMMONIATUM.**—Limits: Camphor, 11.5 to 13.0 per cent.; NH₃, 5.0 to 7.5 per cent.
- LIQUOR ADRENALINÆ HYDROCHLORIDI.**—Formula now includes 0.5 gm. Sodium Metabisulphite. Doses deleted.
- LIQUOR AMMONIÆ FORTIS.**—Weight per mil, at 20°, 0.880 to 0.886 (replaces s.g. (15.5°/15.5°), 0.885 to 0.891).
- LIQUOR AMMONII ACETATIS FORTIS.**—Modified formula and process.
- LIQUOR CALCIFEROLIS.**—Standards as in Addendum I. Maximum doses doubled.
- LIQUOR CRESOLIS SAPONATUS.**—Solvent prepared by interaction of suitable fixed vegetable oils, or mixture of fatty acids derived from them.
- LIQUOR FERRI PERCHLORIDI.**—Description: Clear yellowish-brown liquid; odour, slight, resembling hydrochloric acid; taste, strongly astringent.
- LIQUOR MAGNESII BICARBONATIS.**—Requirements altered. Assay factor, 0.03659 (0.03658).
- LIQUOR MORPHINÆ HYDROCHLORIDI.**—Contains Morphine Hydrochloride equivalent to 0.76 per cent. w/v of anhydrous morphine, limits, 0.72 to 0.80.

A PHARMACIST'S ANTHOLOGY

FIRST of all, to remedy this obdurate plethora, this luxuriant cacochymy throughout his whole body, I'm of opinion that he should be liberally phlebotomised: I mean, that he be let blood frequently and in abundance, first, in the *vena basilica*, then in the *vena cephalica*, and if the distemper be obstinate, even a vein in the forehead should be opened; and let the orifice be large, that the gross blood may issue out. At the same time I advise that he purge, scour, and evacuate by purgatives, suitable and convenient; that's to say, by cholagogues, melanagogues, etc. And as the real source of all this mischief, either is a feculent and foul humour, or a vapour black and gross, which obscures, empoisons, and muddifies the animal spirits, it is proper afterwards for him to have a bath of pure and clean water, with a large quantity of whey; to purify by the water the feculency of that foul humour, and by the whey to clarify the blackness of that vapour.

—From "Squire Lubberly," by Molière.

HARVESTING BUCKWHEAT FOR RUTIN EXTRACTION



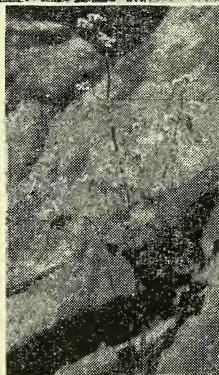
THE Kentish crop of buckwheat shown in the picture above was harvested recently and dried, prior to the extraction of rutin by Allen & Hanburys, Ltd., London.

Buckwheat, which is a promising natural source of the drug, is a quickly growing crop, and develops from seed to the flowering stage in about six weeks. It is capable of producing three crops in a season. The crop grows equally well on light or heavy soil, but requires a liberal supply of fertiliser. When in full flower the crop is scythe-cut and taken immediately to an oasthouse or other drying room. The plants begin to wilt within a few minutes of being cut, and unless they are placed in a drying room within an hour the rutin content is lost.

Drying Arrangements

The drying room is fitted with a slatted floor covered with an open-weave carpet of horsehair, and a large fan draws a constant stream of air at 180° F. from a furnace below the room through the floor and the buckwheat that is being dried. The drying process takes about two-and-a-half hours, and if it is adequately controlled the leaves of the plants will retain their green colour, and be brittle, the flowers will be brown/pink in colour and the stalks strawlike.

This season, two hives of bees have been placed in the field of growing buckwheat (see illustration) in the hope of getting honey containing rutin. It is considered unlikely that honey from any other flower



TOP: Flowering crop of buckwheat and (right), the crop drying in a modern oasthouse.

BELOW: A buckwheat plant before scything, and (right) a plant five minutes after being cut, showing pronounced wilting.

will be in the hives, as bees appear to have a preference for buckwheat flowers when available.

American reports indicate that a 3 to 5 per cent. rutin extractive may be obtained from buckwheat. Johnson ("American Journal of Pharmacy," 1946.118.169) states that the dry leaf-meal is extracted by one of two ways:—1. Hot water is used as the solvent, and the rutin extracted in three thirty-minute extractions, and the solution filtered, concentrated *in vacuo* and purified; or 2. the leaf-meal is macerated three times with 70 per cent. alcohol.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Deoxycortone Acetate

SIR,—We note that under "Approved Names for Drugs" (*C. & D.*, August 14, p. 206) Doca is given in Table 1 as another name for the pharmacopœial substance deoxycortone acetate. May we take this opportunity of pointing out that we also issue this hormone under the name Percorten. The statement as it appears in the table would, we submit, rather tend to suggest that the brand included is the only one.

Horsham CIBA LABORATORIES, LTD.

"Independent Practitioners"

SIR,—May I urge all independent practitioners, whatever their occupation, to ally themselves in defence of independent practice as such. By "independent practitioner" I mean those individuals who, not being full-time employees either of the State or of a private institution, earn a substantial part of their income by offering their services direct to the public. I believe that an independent alliance of significant proportions can be created in a very few years, if there can be found active practitioners in the professions and occupations concerned who are willing to give their time and enthusiasm to launching it. I feel justified in placing my draft proposals, and my address as a centre of communications, at the disposal of those interested enough to write.

Yours faithfully,

London, S.W.1.

BJORN GUY.

[Any letters sent via the office of the *C. & D.* will be forwarded.—EDITOR.]

Employers' Contributions

SIR,—In the past, the cost of National Health Insurance was met out of the weekly contributions of employers and employed, and as it was in the employers' interests to maintain the health of their staff, it was fair that they should be called upon to pay part of the cost. Now the Ministry of Health states that the health service is to be paid for entirely out of taxation (of which the employer already pays his full share), and that the weekly contributions are solely for the payment of sickness and unemployment cash benefits, of which the employer gets nothing. The imposition of the "employer's contribu-

tion" can therefore no longer be justified, and indeed its legality is open to question, as it becomes a tax on the employment of labour which has not been approved by Parliament.

Middlesbrough.

C. R. THEWLIS.

[Our correspondent is wrong in supposing that the health service is to be paid for "entirely out of taxation." According to the Ministry of Health, the estimated cost of N.H.S. for the first nine months (July 5, 1948 to April 4, 1949) will be £180 millions. Of this amount £4 millions will come out of local rates, and £24 millions from the National Insurance Fund; after various adjustments have been made, the net cost to the taxpayer will be about £132 millions. There is, of course, a case for the abandonment of employers' contributions. The arguments for and against were canvassed at some length in Part IV of the Beveridge Report. However, as the Report formed the basis on which the National Health Service Bill was drawn up, and as that Bill was fully discussed by Parliament before it became an Act, it is difficult to understand our correspondent's contention that the legality of the employers' contribution is "open to question" or that it "has not been approved by Parliament."—EDITOR.]

True Proportions of a Fire

SIR,—Early on Monday morning, August 16, a fire broke out in our factory and the next issues of the London evening papers contained sensational and highly coloured accounts of the incident. In actual fact the fire was confined to one comparatively small shop and it was soon under control, no serious damage being done. We should be grateful if you would be good enough to mention the incident briefly in your next issue and particularly stress the fact that some of the accounts in the evening papers were grossly exaggerated.

We should also be grateful if you would allow us, through the medium of your columns, to place on record our thanks to our many friends who have expressed their sympathy with us over the occurrence. Many of them had evidently obtained the impression, from the newspapers, that the larger part of our works had been destroyed.

HOWARDS & SONS, LTD.,

ILFORD

G. C. MANN, *director*.

...; CALCIUM, B.P.C., 19s.; ETHYL, 28s.; N. B.P.C., 14s.; LEAD, B.P.C., powder, ...; LITHIUM, B.P.C., 20s. 3d.; STRONTIUM, B.P.C., 18s. 6d.; ZINC, B.P.C., ... 3d.; MERCURIC, B.P., 7-lb., 14s. 3d., ... 14s. 9d.; MERCUROS, B.P.C., green ... yellow, 7-lb., 18s. 6d.; smalls, 19s.

LACTOSE.—Quotations are from £120 per upwards, according to quantity.

MANDELIC ACID.—Current prices per lb. are: 1-lb., 22s. per lb.; 4 lb., 20s. 3d.; 16-lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYLTHIONINE CHLORIDE.—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

MORPHINE.—Prices per oz. current in the market are: ALKALOID, $\frac{1}{2}$ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 48s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, 1 oz., 46s. 9d.; 1oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d.; BICARBONATE and TARTRATE, as ALKALOID; CITRATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PANCREATIN.—Price of B.P. material is from 13s. 6d. to 16s. 6d. per lb., according to quantity.

PARALDEHYDE.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 10 carboys, 1s. 6d.; 24 winchesters, 1s. 7½d.; 48 winchesters, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

PEPSIN.—Quotations for B.P. standard are from 29s. 6d. per lb.; 1-3,000 is priced 35s., and 1-10,000 at 115s. per lb.

STRYCHNINE.—Makers' current rates per lb. are as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
Alkaloid	s. d. 6 2	s. d. 6 0	s. d. 5 10½
Aluminate	5 4	5 2	5 0½
Hydrochloride	5 11	5 9	5 7½
Diphosphite	9 8	9 6	9 4½
Tartrate	5 11	9	5 7½
Phosphate			
Neutral powder (No. 2)	4 11	9	4 7½
Phosphate			
Neutral crystalline and powder	5 6	5 4	5 2½

THEOBROMINE.—Supplies have improved. Makers' prices (per lb.) are: ALKALOID, from 37s. 6d. to 41s. 6d., according to quantity; CALCIUM SALICYLATE, from 3s. 3d. to 25s. 3d.; SODIUM, BENZOATE, 3s. 9d. to 26s. 9d.; SODIUM SALICYLATE, from 21s. 3d. to 25s. 3d.

VALERIANATES.—Current quotations for quantities of 1 cwt. and over: IRON, from 21s. 3d. to 25s. 3d.; ZINC, 42s. 6d. per lb.; AMYL OVALERATE, 37s. 6d.; ETHYL ISOVALERATE, 3s. 9d.; METHYL ISOVALERATE, 44s. 3d. ETHYL is quoted at 95s. 6d. per lb.

Crude Drugs

ACONITE.—Quiet. Indian is steady at 300s. per cwt. on the spot.

AGAR.—Japanese strip is offered at from 17s. 6d. to 18s. 6d. per lb., duty paid; forward, 15s. to 16s., c.i.f.

ALOES.—Cape, prime quality, on the spot, is quoted at 130s. per cwt.; forward, 116s. to 120s., c.i.f., as to quality. Curaçao in boxes is quoted at 210s. per cwt.; shipment, 200s., c.i.f. Socotrine, 160s. to 180s. per cwt., spot.

ANTIMONY.—99.6 per cent., regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

ARECA NUTS.—Ceylon is quoted at 50s. per cwt., on the spot.

ASAFOETIDA.—Persian block is offered at £15 to £24 per cwt., spot.

BALSAMS.—Canada is offered at 19s. per lb., spot. Para *Copaiba*, soluble, is valued at 5s. per lb., spot. *Peru*, San Salvador, is easier at 5s. 3d. to 5s. 6d., duty paid. *Tolu* is priced at 17s. 6d. per lb., spot; forward, 16s., c.i.f.

BAY LEAVES.—Quotations are unchanged at 11d. to 1s. per lb., duty paid.

BELLADONNA.—Yugoslav root (testing 0.45 per cent.) is offered at 5s. 3d., duty paid; English herb is quoted at from 5s. to 5s. 6d. per lb., according to seller.

BENZOIN.—Prices of Sumatra block on the spot range from £15 to £17 per cwt., as to quality.

BISMUTH.—Metal is quoted at 11s. per lb. for quantities of 5 cwt.

BUCHU.—An inactive market. New-crop, short rounds, spot, 4s. per lb.; shipment, 3s. 8d., c.i.f.; ovals, old-crop, from 3s. 9d., spot.

CAMPHOR.—Chinese tablets steady at 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.), 8s. to 8s. 6d., with B.B. grade, 7s. 6d.; crude powder, 6s. 6d.

CANTHARIDES.—Spot quotations for Chinese are from 8s. 9d. to 9s. 6d. per lb., duty paid, according to holder.

CARDAMOMS.—Mangalore half-bleached A's are 9s., spot; B's, 8s., seeds, 7s. 9d. Aleppy seeds, 9s., spot; 8s. 9d. to 9s., c.i.f., per lb. Aleppy greens, 7s., spot; 6s. 9d., c.i.f. Ceylon seeds, 7s. 9d. per lb.

CASCARA SAGRADA.—Continues quiet. Spot quotations are from 200s. per cwt.; new-crop forward is valued at 200s., duty paid.

CASCARILLA.—Quills are quoted at from 1s. 6d. to 1s. 7d. per lb., spot, siftings, 1s. 5d. to 1s. 6d. Inquiry is absent.

CASSIA PODS (*C. fistula*).—East Indian, 65s. per cwt., ex wharf.

CHILLIES.—Mombasa, 110s. per cwt., spot; shipment, 95s., c.i.f.; Sierra Leone, 115s., nominal; Nigeria, 90s., spot.

CINNAMON.—Ceylon on spot is offering as follows: 0000, 3s.; 000, 2s. 10d.; 00, 2s. 8d.; 0, 2s. 6d.; firsts, 2s.; seconds, 1s. 11d.; thirds, 1s. 10d.; fourths, 1s. 9d.; quillings, 1s. 5d., featherings, 1s.; chips, 6d. per lb.

CLOVES.—Zanzibar on spot is quoted at 9d. to 9½d. per lb.; shipment, 11d., c.i.f. Madagascar, shipment, 7d., c.i.f. Penang, on spot is at from 2s. 10d. to 3s. per lb.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4s. 6d.

COCOA BUTTER.—Maximum controlled price is 4s. 11½d. per lb., delivered.

DEERIS ROOT.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

DIGITALIS.—Portuguese leaves offered at 150s. per cwt., spot; English are quoted at from 2s. 6d. per lb.

DRAGONS BLOOD.—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £35.

ELEMI.—Steady. Manila No. 1 is quoted 2s. 3d. per lb., spot.

ERGOT.—Little Portuguese available on spot at about 4s. 5d. per lb.; Russian is quoted at 4s. 6d. per lb.

GALLS.—Persian blues are offering on the spot at 260s. per cwt.

GAMBOGE.—Rather more inquiry for this article but little headway is made. Siam pipe, spot, £50 per cwt., duty paid.

GENTIAN.—Quiet. French natural is quoted at 62s. 6d. per cwt., spot.

GINGER.—African on spot is quoted at from 74s. to 75s. per lb.; new-crop, July-August, 73s., c.i.f. Jamaica No. 1 quoted at 120s. to 125s.; No. 2, 117s. 6d.; No. 3, 115s. per cwt., spot.

GUAIACUM RESIN.—Quotations for lump are from 2s. 6d. per lb., spot.

GUM ACACIA.—Kordofan cleaned sorts, offered at 65s. per cwt., ex store, London; shipment, dearer at 60s., c.i.f. Bleached No. 1, 135s., ex store; to arrive, 120s., c.i.f. Talha, 45s., ex warehouse; to arrive, 42s., c.i.f.

HONEY.—Prices are unchanged. Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican) for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.; In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

IPECACUANHA.—Only a small business passing. Nicaraguan on spot is offering at from 24s. to 25s. per lb.; forward, 19s., c.i.f.

IRISH MOSS.—French select bleached quoted at 120s. per cwt.; No. 1, 105s. No. 2, 95s. per cwt.

JALAP.—Vera Cruz, spot, from 3s. 5d. to 3s. 9d. per lb., as to test (15 to 17 per cent. resin). Brazilian (13 per cent.), 1s. per lb., spot.

KARAYA.—No. 1 gum is offered at 2 and No. 2 at 180s. per cwt., spot.

KOLA NUTS.—African quarters are available at 6d. per lb.; African halves, 3d. 4d., according to quality; Jamaican was halves, 4½d. per lb.

LANOLIN.—B.P. Anhydrous is quoted £120 per ton; Superfine, £130; 1 Hydrous, £105, delivered in U.K.

LIQUORICE.—Anatolian natural root, spot is offering from 47s. to 50s. per cwt. as to holder; Syrian, 42s. 6d. Italian block, 375s. per cwt., spot; Italian stick quoted at from £385 to £525 per ton, to quantity and grade; small-size stick in good demand. Turkish block is available at from 240s. per cwt.; Syrian block to come forward, 405s., duty paid.

MACE.—West Indian blade, on the spot is quoted at 7s.; pickings, 4s. 6d. to 5s. per lb., according to quality.

MENTHOL.—Quiet. Brazil on spot offered at from 44s. 6d. to 46s. per lb., 6d. paid; 42s. 6d., in bond.

MERCURY.—Spot quotation continues £15 per flask, ex warehouse; for shipment £14, c.i.f. U.K.

MYRRH.—Aden sorts, £13 to £14 per cwt.; siftings, £6 10s. to £7 per cwt., spot.

NUTMEG.—West Indian 80's, on spot is quoted at 3s. 4d.; sound unassorted, 2s. 11d.; wormy and broken, 1s. 8d.

NUX VOMICA.—Madras, on spot, is quoted at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochín, 42s. 6d. to 45s., spot.

OLIBANUM.—Fair to good drop, from 200s.; pea size, 200s.; good garbled, 160s.; seeds, 170s.; siftings, 90s. per cwt.

ORANGE PEEL.—Spanish quarters, 1s. to 1s. 5d., spot; sweet ribbon is quoted at 1s. 9d.; bitter ribbon, 1s. 6d. to 1s. 9d. lb., nominal.

PAPAIN.—East African No. 1 is offered at 25s. per lb., spot; Ceylon, 20s.

PIMENTO.—Spot is quoted 1s. 2d. per lb.; to arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM.—American (*peltatum*) offered spot London at 300s. per cwt.; Indian (*emodi*), 320s. to 340s.

PSYLLIUM SEED.—French black, 2s. per lb., duty paid; Indian (isphagol), 120s. per cwt., spot.

QUASSIA.—Chips, on spot, quoted 37s. per cwt.

QUILLAIA.—Natural bark is offering at about 95s. per cwt., spot; crushed, 130s.

RIHATANY.—Demand is small. Spot prices are steady at 9d. per lb.

THUBARB.—Chinese rough-round with a pinky fracture is offering at from 6d. to 4s. 9d. per lb., spot.

SANDARAC.—New-crop on spot is offered 5s. 3d. to 5s. 6d. per lb.; old-crop, 9d. to 5s. 2d., ex store.

SARSAPARILLA.—Jamaican native red is offered at 2s. 3d. per lb., spot.

SENEGA.—Continues quiet. Spot offers are from 10s. 6d. to 11s. per lb.; forward, 6d., c.i.f., nominal.

SENNA.—Tinnevely leaves on the spot are quoted as follows: No. 1, 9d. to 1s. per lb.; No. 2, 8d.; No. 3, 5½d. Tinnevely ls., hand-picked, 9d. to 1s. 4d.; manufacturing, 5d. to 5½d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing from 1s. to 1s. 9d. per lb., Alexandrian leaves, 1s. 2d. per lb., f.a.q.

SHELLAC.—Spot quotations, ex warehouse, London, F.O.T.N. pure, 330s.; F.O. standard 1, 340s.; fine orange, 350s. to 360s. per cwt.

SQUILL.—Italian white, 63s. to 65s. per lb., spot, according to quality and seller.

STROPHANTHUS.—100 per cent. Kombé is offered at 12s. 6d. per lb., spot.

STYRAX.—Supplies on the spot are offered at 7s. 9d. per lb., duty paid.

TAMARINDS.—Barbados is quoted at 5s. 6d. per cwt., duty paid.

TONKA BEANS.—Most dealers are asking 9d. per lb. for well-frosted Pará on the spot; parcels of poorly frosted may be bought at 5s. 6d.

TRAGACANTH.—Quiet, and prices are unchanged. Selected white ribbon, spot, £100 per cwt.; other white grades, from £55 to £70; pale leaf, £35 to £50; amber, £23 to £30; red, £14 to £20; hogg, £5 to £11.

TURMERIC.—Madras finger on the spot is offered at 110s. per cwt.

WAXES.—Only a small business passing. **ES.**—Steady. Dar-es-Salaam on spot is offered at 330s. per cwt.; shipment, 2s. 6d. Lindi is offered at 325s., spot shipment, 295s. per cwt., c.i.f. Benguela, 5s. per cwt., duty paid; in bond, 315s.; shipment, 300s. c.i.f. **CANDELLILA.**—Spot, 5s. per cwt.; forward, 375s., c.i.f. **ARNAUBA.**—Very little prime yellow is offering on spot and prices have risen to 5s.; shipment, 690s. per cwt., c.i.f., minimal; Fatty grey, 480s. per cwt., on spot; shipment, August-September, 475s. Fatty grey, 475s. per cwt., spot; 470s., c.i.f., nominal. **MONTAN.**—Reibek on spot steady at 300s. per cwt.; Czechoslovak grade, 265s. **OURICURI.**—Spot offers are: 10 per cent., about 430s. per cwt.; 4.7 per cent., 420s.; 4 per cent., 425s. **SPERMACE.**—Spot quotations are at 3s. 1½d. per lb.

Essential and Expressed Oils

ALMOND.—Sweet oil (B.P.) is easier at 7s. 6d. to 8s. 6d. per lb., spot; bitter essential oil, 30s. to 45s. per lb., as to quality.

CITRONELLA.—Ceylon is offering at 3s. 6d. per lb., spot, and 3s. 3d., c.i.f. Java on spot is worth 8s. per lb.; 5s. 11d., c.i.f.

GERANIUM.—Bourbon is offering at lower prices from 47s. 6d. to 57s. 6d. per lb., as to grade.

LAVANDIN.—Prices for spot supplies are lower at from 8s. 6d. to 10s. 6d. per lb.

LAVENDER.—French, 38-40 per cent., is quoted at 20s. to 23s., spot; 40-42 per cent., 23s. to 24s. Spanish (spike) is steady at 9s. to 11s. per lb., spot.

LEMONGRASS.—Drums are quoted at 5s. 3d. to 5s. 6d. per lb., with up to 7s. for smaller quantities; shipment, 5s. 4½d., c.i.f.

OLIVE.—Importers' rate is 29s. Sd. per gall. of 9 lb. Wholesalers' prices are: 1 pint, 5s. 6d.; 2 pints, 10s.; ½ gall., 19s.; 1 gall, 37s. 6d.

PALMAROSA.—Supplies continue short on spot and prices are at 35s. per lb.; forward, 30s., c.i.f.

PATCHOULI.—Spot goods are offered at 42s. 6d. to 47s. 6d. per lb., as to quantity.

PENNYROYAL.—Spot offers from 18s. 6d. to 21s. per lb., according to grade.

PEPPER.—English-distilled, 160s. per lb.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 180s. to 225s. per lb.

PIMENTO BERRY.—English-distilled oil offered at from 50s. to 70s. per lb. and upwards, as to quantity and grade.

THYME.—Red oil (40-42 per cent. phenols), 13s. 6d. to 16s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

VETIVERT.—Nominal spot quotation is 100s. per lb.

YLANG YLANG.—Bourbon is quoted at 65s. to 100s. per lb., as to grade and seller.

World Mineral Industries

No. 11—Fuller's Earth

The following table gives principal producers of fuller's earth and their output (in long tons).

PRODUCING COUNTRY	1938	1941	1944
India ...	8,059	9,165	(a)
Australia ...	—	446	259
New Zealand ...	56	109	106
United States (sales)	152,546	185,220	263,158

Fuller's earth is also produced in the United Kingdom and Turkey (8,428 tons in 1937).

(a) Information not available.

(By courtesy of the Imperial Institute.)

TRADE MARKS

- (From "The Trade Marks Journal," August 4)
 "B.C.D." in monogram form; by British Continental Drugs, Ltd., London, S.E.11; 654,089-91. For all goods (1), (3) and (5).
- "AFRISECT"; by Mitchell, Cotts & Co., Ltd., London, E.C.2; 660,440. For pyrethrum extracts for use in the manufacture of insecticides (1).
- "KETTOCRETE" and device of horseshoe; by the Ketton Portland Cement Co., Ltd., Sheffield; 660,598. For scientific, agricultural and photographic chemical products, etc. (1).
- "KALI"; by Financiera de Perfumeria S.A., Panama; 649,122. "ROND-POINT"; by Société Anonyme Vibert Frères, Montreuil (Seine), France; 650,797. "IONETTA"; by C-One Nine Four Products, Ltd., London, S.W.1; 656,878. "BOIS D'AMOUR"; by L. G. Colomb & Co., Ltd., London, W.C.2; 661,787. For non-medicated toilet preparations (3).
- "LE FOYE"; by Le Foye Products, London, N.3; 656,321. For containers for cosmetics (3).
- "BATHJOY"; by Reckitt & Colman, Ltd., Hull; 659,626. For non-medicated bath salts (3).
- "SAVVY DEODO" and "SAVVY"; by Ashe Laboratories, Ltd., London, S.W.1; 661,813-15. For all goods (3) and (5).
- Device of symbolic figure; by La Compagnie des Cosmétiques Grand Siècle, Ltd., Harrow; 661,882. For cosmetic preparations (other than toilet preparations) (3).
- Composite device including star and words "Suaviter in Modo—Fortiter in Re"; by Astra Products, Bath; 657,540. For all goods (5).
- "MAYCLOUD"; by Deodor-X Co. of England, Ltd., Liverpool; 662,363. For all goods (3).
- "MEP" in distinctive lettering; by Morgan Evans Products, Ltd., Bury; 657,326. For medicated confectionery (5).
- "NOVATROPIT"; by the Crown Chemical Co., Ltd., Tonbridge; 659,261. For veterinary preparations (5).
- "SEVTOX"; by Pest Control, Ltd., Harston, Cambs; 659,344. For insecticides, acaricides and weed-killing preparations (5).
- "CAMEL" and device of camel; by Hull Chemical Works, Ltd., Hull; 660,143. For liquid disinfectants (5).
- "ANGIERDRINE"; by the Angier Chemical Co., Ltd., London, E.C.1; 661,496. For pharmaceutical preparations and substances (5).
- "CHRONALGICIN"; by Benger's, Ltd., Holmes Chapel, Ches; 661,843. For pharmaceutical preparations for use in the treatment of the ears (5).
- "METIROIDIN" and "HIPEROIDEN"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 661,861-62. For pharmaceutical preparations for human and veterinary use, and sanitary substances (5).
- "PRONTODERM"; by Bayer Products, Ltd., London, W.C.2; 661,958. For pharmaceutical preparations for use in the treatment of skin diseases (5).
- "I.C.I." in circle device; by Imperial Chemical Industries, Ltd., Slough; 660,989. For scientific photographic and optical apparatus and instruments (9).
- "CUSHION" and device of a cushion; by Allen & Co., Cheltenham; 660,470. For baby feeding bottles and teats (10).
- (From "The Trade Marks Journal," August 1)
 "TECMANGAM"; by the Tennessee Eastman Corporation, Kingsport, U.S.A.; 659,036. "GAMM" by Imperial Chemical Industries, Ltd., Slough; 659,596. "AEROCAR"; by Valay Industries Ltd., London, W.8; for agricultural, scientific and industrial chemicals (1).
- "UNICHROME"; by United Chromium, Inc., New York; 660,196. For chemical test papers and industrial chemical compounds (1).
- Device of Lincoln Imp; by John Godfrey Bart Holmes, Lincoln; 648,505. For cosmetic containers (3).
- "MARY CORDELIA"; by Margaret Jane Brochw Jones, London, S.W.9; 6658,903. "GA GLEME"; by Perivale Laboratories, Ltd., Greenford; 6660,493. "SERENITE"; by Picot, Ltd., London, W.6; 661,621. "ALFROT"; by Geaney, Ltd., Broughton Park; 661,660. "DALENE"; by James Dawe & Co., Ltd., London, W.C.1; 662,415. For non-medicated toilet preparations (3).
- "SPIK THE UNIVERSAL LIQUID CLEANSER" and device of charwoman (word "Universal" disclaimed); by J. Longstaff & Co., Armley, Leeds; 6658,971. For non-saponaceous cleaning preparations in liquid form (3).
- "LATHFOME"; by Moray Chemical Products, London, W.1; 6661,101. "PETAFOAM"; Koray, Ltd., London, W.1; 661,909. For detergents (3).
- "OZODENT"; by the Zolan Co., Bradford; 661,653. For chemical compounds for cleaning the teeth and artificial dentures (3).
- "SUPER OXYDOL" (word "Super" disclaimed) by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne; 661,677. For soaps, detergents and preparations for laundry purposes (3).
- "SOTHIS"; by la Compagnie des Cosmétiques Grand Siècle, Ltd., Harrow; 661,883. For cosmetic preparations (other than toilet preparations) (3).
- "TEEM"; by Borax Consolidated, Ltd., London, E.C.4; 656,728. "VALONORM"; by Walla (Pharmaceutical Products), Ltd., London, N.W.3; 661,258. "JUBILETTES"; by Camd Chemical Co., Ltd., London, W.C.1; 661,496. For pharmaceutical preparations and substances (5).
- "OZIUM"; by G. H. Wood & Co., Ltd., Toronto, Canada; 657,502. "TECMANGAM"; by the Tennessee Eastman Corporation, Kingsport, U.S.A.; 659,037. "GAMM"; by Imperial Chemical Industries, Ltd., Slough; 659,597. For pharmaceutical preparations for human and veterinary use, sanitary substances, deodorants and disinfectants (5).
- "RUCIDE"; by Taubmans, Ltd., Sydney, N.S.W.; 657,659. For insecticides, pesticides and veterinary dips (5).
- "NEROGEN"; by the Crown Chemical Co., Ltd., Tonbridge; 658,892. "Brvo"; by the Wellcome Foundation, Ltd., London, N.W.1; 659,722. For veterinary preparations (5).

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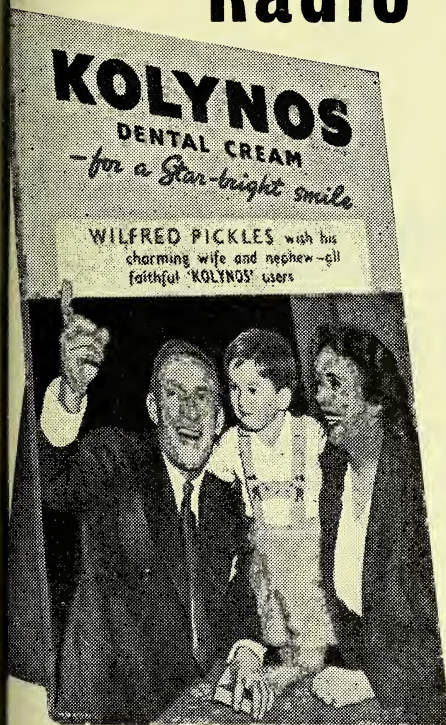
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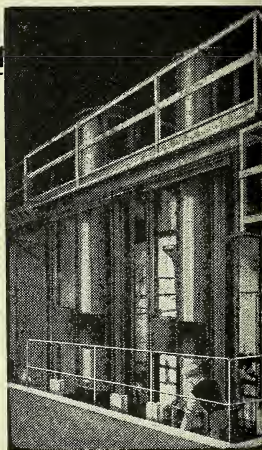
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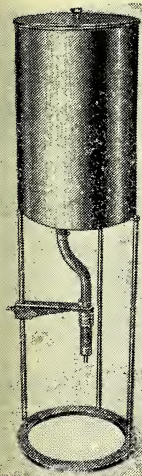
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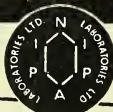
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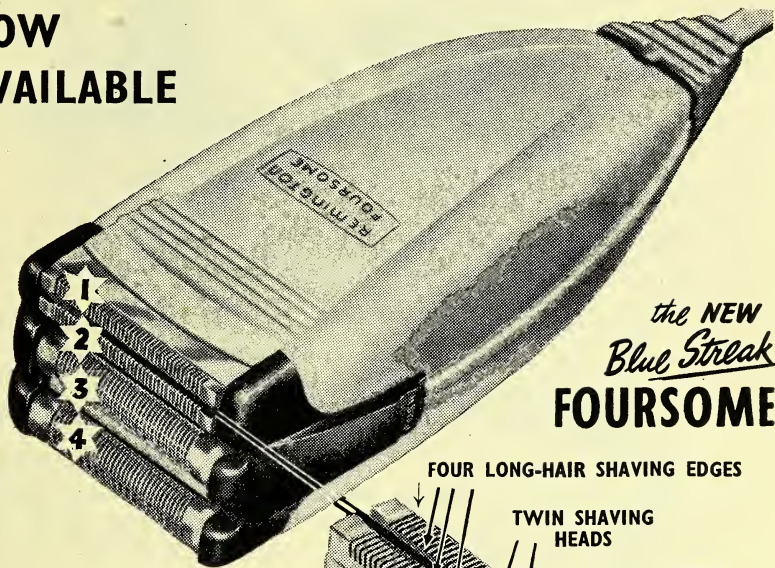
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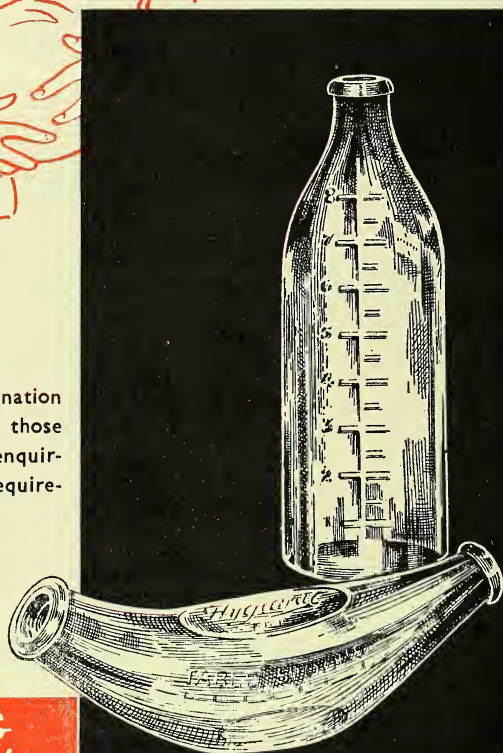
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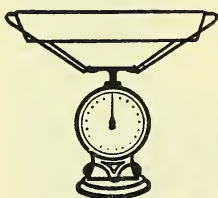
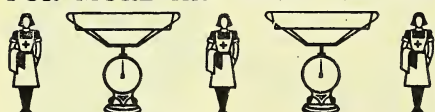
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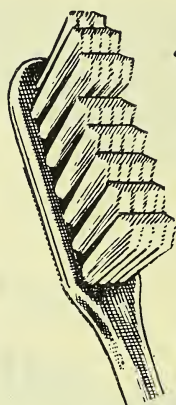
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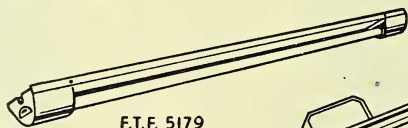
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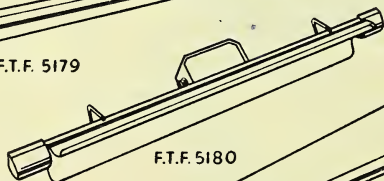


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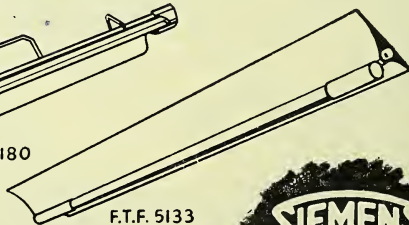
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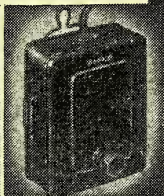
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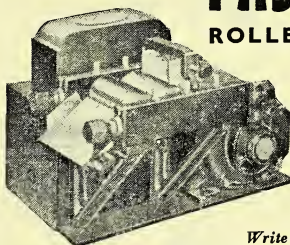
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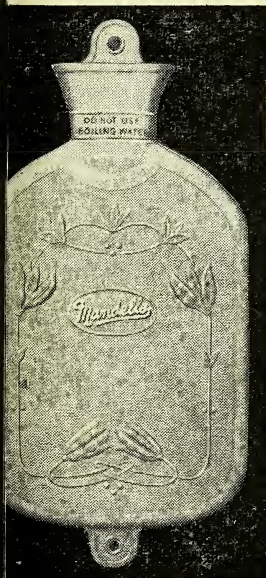
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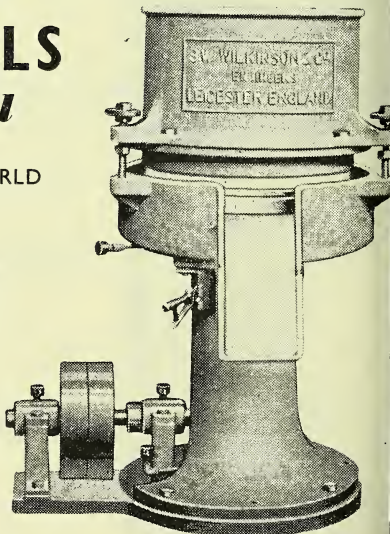
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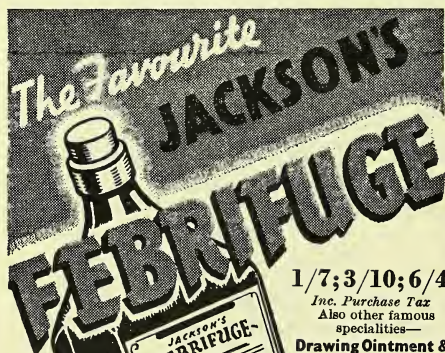
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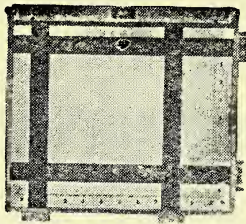


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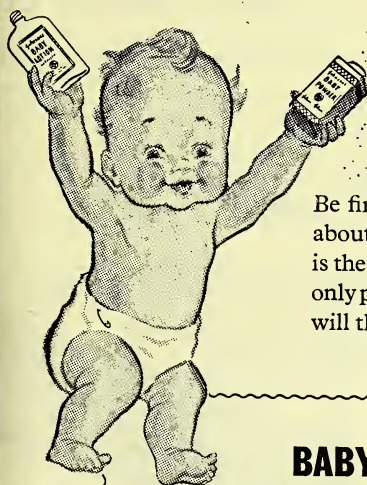
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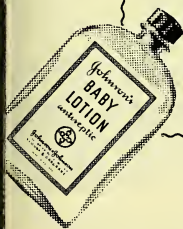
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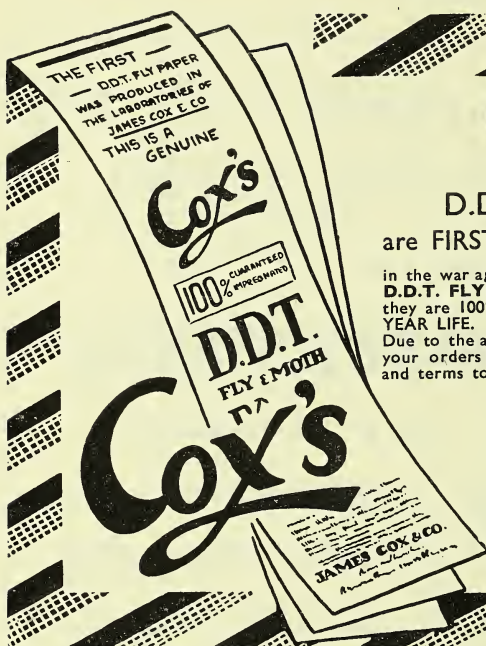
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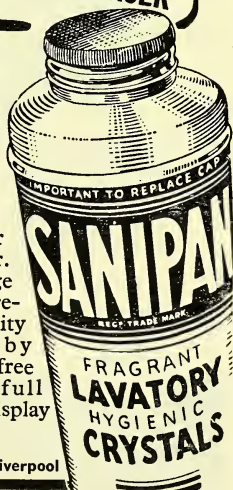
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2.2. Temple Bar 9212/3. Branches at South-
ton and Birmingham. Enquiries invited from
armacists and unqualified persons requiring situa-
s. Many attractive vacancies available. Ex-
ent opportunities existing in progressive per-
encies. Locums provided for. No charge to
loyees except registration fee. Apply to 184
nd, W.C.2, in first instance.

ARMACISTS required in London retail; £500
annum. Dispensing light. Box 4/372.

ARMACIST. Manager required for progressive
armacy in good suburban district in Newcastle
on. Attractive salary with good prospects. Write
full particulars to Box 4/420.

MOUTH. Unqualified dispensing assistant for
d-class dispensing business; permanency; for
September. J.I.C. rates. Apply Holmes,
mist, Torquay.

The Institute of Chemists-Opticians, 2 Clements Inn, Strand, W.C.2

For Syllabuses of the Institute's Examinations
and all further information, write to the Hon.
Secretary, J. Ross-Mansell, Ph.D., B.Sc.

PORTSEA ISLAND Co-operative Chemists, Ltd., re-
quire qualified pharmacy branch manager. Per-
manency, excellent prospects, Superannuation fund.
Flat available. Applications in writing, stating age,
qualifications and experience, and salary required,
to the Executive Officer, 110 Fratton Rd., Ports-
mouth. Endorse envelopes "Pharmacist."

QUALIFIED ASSISTANT required (lady or gentle-
man) for central pharmacy. 44-hour week. Super-
annuation with transfer clause in operation. Possi-
bility of branch managership. Applications with
copy references addressed to General Manager,
Co-operative Society, Jackson St., Gateshead.

QUALIFIED ASSISTANT required for country phar-
macy. Young gentleman or lady, preferably single.
Duties exclusively dispensing. A well salaried,
congenial position for a suitable applicant. Please
reply in the first instance to Box 4/223.

QUALIFIED MANAGER for busy West End phar-
macy. High salary, staff profit-sharing scheme,
and pension scheme available. Staff roster system
allows convenient hours. No Sundays. Apply in
writing, with full details, or phone for appoint-
ment, to Georges (Chemists), Ltd., 21 Irving St.,
London, W.C.2. Whitehall 3774.

QUALIFIED MANAGER required for very busy
pharmacy, to take over dispensing chiefly so the
proprietor can confine whole-time to optical side
of business. Every opportunity for right man,
together with exceptional remuneration. Apply by
letter in first instance, with usual particulars and
references, F. H. Bushell, 4 Carlton Terr., Green
St., Forest Gate, London, E.7.

QUALIFIED MANAGER and optician required.
Living accommodation on the premises in perfect
condition, with modern bathroom and all new
grates. N.H.S. dispensing and counter. Profits on
optics divided. Salary £10 per week. Permanency.
New business. South Wales. Apply Box 4/428.

QUALIFIED MANAGER (or locum) required im-
mediately (due to recent death of owner) for pleasant
East Coast seaside town. Opportunity to purchase
may occur in near future. Accommodation avail-
able. Apply, giving full particulars and salary, to
Box 4/409.

QUALIFIED MANAGER required for busy phar-
macy in Hull. 2 assistants kept. Salary and com-
mission on profits offered. Owners willing to con-
sider partnership with a view to succession over
a period. Box 4/391.

QUALIFIED young lady required, able to take
charge of dispensing. Salary £10 per week. Good
position for reliable applicant. Box 4/431.

ROUSE & CO., have a vacancy for a qualified dis-
penser. Hours 9.5.45, half-day Saturday. No Sun-
day duty. Please apply with usual particulars, to
Rouse & Co., 12 Wigmore St., W.1.

SUPERINTENDENT PHARMACIST required, Shrews-
bury. Either sex, young or old. Easy, comfortable
post. Give full particulars. Apply Box 4/410.

SUPERINTENDENT PHARMACIST, fully qualified,
required as departmental manager and buyer. In-
dustrial trade, capable of great development. Per-
manent and progressive position to right applicant.
Please state salary required, to the Secretary,
Denaby Main Co-operative Society, Ltd., Doncaster
Rd., Denaby Main, Nr. Doncaster.

YOUNG PHARMACIST with ambition to ownership
required. Terms arranged, accommodation could
be arranged. (East Midlands). Apply Box 4/414.

TORQUAY. Young qualified (or unqualified) gen-
tleman for high-class dispensing business. Good
prospects. Opportunity for experience in very
varied business for Mid-September. J.I.C. rates.
Apply Holmes, Chemist, Torquay.

LOCUMS WANTED

DERBYSHIRE. Qualified locum required, any fortnight in September, for pharmacy in small market town. Box 4/160.

PHARMACIST required from the 23rd August for one or two weeks. Must be able to take full charge. Expenses paid. Goldthorpes (Chemists), Ltd., 312 London Rd., North Cheam, Surrey. Derwent 2804.

QUALIFIED CHEMIST LOCUM wanted immediately as departmental manager for three or four weeks. Please state terms and particulars to the Secretary, Denaby Main Co-operative Society, Ltd., Doncaster Rd., Denaby Main, Nr. Doncaster.

UNQUALIFIED DISPENSER wanted for 2 weeks commencing August 30. Phone or write, John Keall, Ltd., 6 Nugent Ter., N.W.8. Cunningham 8822.

RETAIL (OVERSEAS)

CEYLON. Junior Chemist, qualified, for large departmental store. Single. Initial engagement of four years, passage paid out and home. Six months' home leave with half pay and free passages if engagement renewed. Generous terms, including cost-of-living allowance. Provident fund and other benefits. Write, with full particulars of experience, etc., to Box W. 455 Willings, 362 Grays Inn Rd., London, W.C.1.

UNQUALIFIED GENTLEMAN, Gentle, as assistant, aged 30-50. Congenial easy position. 44-hour week. 3 weeks' vacation. Salary about £400. Write air mail. Simpson, Box 1136, Port Elizabeth, South Africa.

WHOLESALE

A LEADING FIRM of baby food manufacturers in vite applications from experienced pharmaceutical representatives of good trade standing, between the age group 30-40, in connection with a vacancy covering South Wales, Bristol, and the West Country, resident in Bristol. The appointment is of a permanent character carrying a good salary, pension scheme and prospects for personal advancement. Box 4/324.

A LEADING FIRM of pharmaceutical engineers (Liverpool area) require technician experienced in tablet making, coating, etc., for experimental and development work. M.P.S. an advantage. Write Box 4/289.

A MANUFACTURING proprietary firm require a representative for Kent, Surrey and Sussex. A live connection already exists on this territory and good income is assured for man of experience and initiative. Remuneration by salary, commission and expenses. Full details to Box 4/413.

AGENTS required with existing connections hairdressers, chemists, stores, able take up additional good selling lines, toilet and beauty requisites. Very liberal commission. Please write Box 4/411.

ALLEN & HANBURY'S, LTD., Bethnal Green, require a qualified man to take charge of wholesale dispensary. Applicants should apply in writing, giving particulars of age, experience and qualifications, to Personal Manager.

AN OPENING is available for a salesman with entré to chemists and department stores in the counties of Derby, Leicester, Notts, etc., with a top grade perfumery house on a salary, commission and expenses basis. This is a really good opportunity and applications should be made stating age, education and experience in complete confidence, to Box 4/425.

ANALYTICAL CHEMIST required by London manufacturing chemists. Practical works experience of general routine analysis and alkaloidal assays of drugs, including opium, essential. 5-day week. Reply, giving particulars of experience, salary, etc., to Box 4/173.

A sales force is now being established throughout the British Isles by a leading manufacturing concern for the distribution of HIGH QUALITY products, i.e. hot water bottles, floor tiles, etc.

Applications are invited from enthusiastic, experienced and energetic representatives, car owners, desirable, preferably having connections with wholesale chemists, hardware and ironmongery distributors.

Permanent, progressive position. Demonstrated ability will qualify for early promotion, with substantial remuneration and permanent executive position.

Compensation by salary, commission and expenses.

Reply, giving full details, to Box No. 4/408.

ASSISTANT with some pharmaceutical experience required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required, to Box 4/362.

ASSISTANT ANALYSTS. Applications are invited from young men or women pharmacists for appointment as assistant analysts in a new chemical pharmaceutical factory at Hazel Grove, Cheshire. Candidates should possess Ph.C. and prefer B.Sc. qualifications, but previous experience of industrial analysis is not essential. Applications should be treated in confidence and should be addressed to the Secretary, British Schering Manufacturing Laboratories, Ltd., 38 Fitzwarren St., Sec. Lancs.

ASSISTANT ANALYST with C. & D. or B.Sc., some experience of analysis of drugs including alkaloidal assays desirable. Details of experience and salary required, to J. F. Macdonald & Co., 4 Warwick Rd., Boreham Wood, Herts.

BUCKLEY-BOWKER TABLET CO., LTD., 29, Field St., London, N.1, require representative, time, calling on chemists and stores in South London area, to handle additional lines in medical tablets and pills on generous commission terms. Apply by letter.

BURROUGHS WELLCOME & CO. have vacancies for medical representatives in various parts of British Isles. Applicants must be qualified in therapeutics. Previous experience in detailing an advantage but not essential. The position progressive and pensionable (contributory scheme). Applications (by letter only), which will be treated in strictest confidence, should give fullest details regarding age and experience, and be addressed to the Manager, Home Division, Burroughs Wellcome & Co., 183-193 Euston Rd., London, N.1.

CHECKER, male, experienced drugs, patents, dyes, for wholesale manufacturing chemist, Edinburgh. Write stating age, previous experience. Box 3717, c/o Whites, 72-78 Fleet St., London, E.C.4.

EAST LONDON & EASTERN COUNTIES, Lancashire and Cheshire Areas.—Representatives, must be car owners, required by well-known firm of manufacturing chemists to call upon retail chemist wholesalers. Well-introduced C.F. lines. Please state usual particulars, age, to Sales Manager, Westminster Laboratories, Ltd., Chalcot Regent's Park, London, N.W.1.

ENERGETIC REPRESENTATIVES required for nationally advertised products in repeating demand, on commission or commission/expense basis. Only men with initiative and drive who have established connections and can devote a minimum of 75 per cent of their time need apply. Applicants (preferably car owners) should write in first instance, stating age, past experience and territories covered, to Box PG.610, Deacon's Advertising, Leadenhall St., E.C.3.

FOOD AND PHARMACEUTICAL manufacturers require a part-time chemist. Applications to Box 4/377.

ME REPRESENTATIVES required for W., E., N. and E. London, Hampshire, Herts, Surrey and Sussex, by a company manufacturing an established national product, to call on chemists, grocers, ironmongers, department laundries, dry cleaners, hospitals, municipalities, etc. Necessary training given. Commission and expenses. Box 4/407.

AL CHEMICAL INDUSTRIES, LTD., have positions for pharmacists with literary ability and experience in the compilation of literature and the collection of information relating to medical and pharmaceutical products. Applications from particularists should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Staff and Establishment Section, Fulshaw Hall, Wilmslow, Manchester. This post is excepted from the provisions of the Control of Engagement Order, 1947.

NO, LTD., require salaries representative to chemists in Northumberland, Durham, and Westmorland. Car supplied. Stating experience and salary required, to Box 4/382.

ON AGENCIES (PROPRIETARIES), LTD., experienced representative for Kent, Surrey, Essex, to take over and enlarge good existing positions among wholesalers and retailers. Salary, commission and expenses. Write, Clarendon Works, North St., Horsham.

KE, YOUNG & CO., LTD., manufacturing firm, will shortly have a vacancy for a representative in the Midlands. Good salary and commission. Only keen energetic salesmen who know the area well and have a car should apply to 90 High Rd., N.W.10.

under 30 required for London sales office. Particulars of experience and salary required to 263, Curzon International, Ltd., 11 Duke Street, S.W.1.

ACTURING CHEMISTS in North-West area as young pharmacist (male or female) for dent and control work in factory engaged in pharmaceutical and cosmetic production. Knowledge of cosmetics would be an advantage. State experience and full particulars, to Box 4/432.

ACTURING CHEMISTS producing ethical preparations invite applications for post of travel representative to call on professional men and authorities in London, Surrey, Sussex and Kent. Salary £312 plus expenses and commission on new business. Applicants, who must be owners, please write, stating age and full particulars of past experience, to Box 4/416.

ESTABLISHED FIRM of wholesale and manufacturing chemists require a representative for Yorkshire and the Midlands. The applicant must have experience in selling pharmaceutical preparations, cosmetics, etc., to doctors and retail chemists, and must be a car owner. Only gentlemen who have an excellent connection with retail chemists should apply for this position, which carries salary, commission, expenses and car allowances. Box 4/416.

PS WORKER required for cosmetic and pharmaceutical preparations. Apply Personnel Manager, Prit- & Constance (Mfg.), Ltd., North Circular Road, Twyford, N.W.10.

ENTATIVES required to carry on a generous commission and expenses basis exclusive and high-smetic lines. Only representatives with good connections with chemists, hairdressing and smetic trades need apply. Areas: Scotland, Lancashire, Midlands and South Coast. Box 4/416.

ENTATIVES required by firm of manufacturing chemists to call upon doctors, chemists and is in connection with high-class ethical pharmaceutical products. Salary, commission and expenses. Area Glasgow and district. Applicants reside on the ground. Rybar Laboratories, Canterbury, Kent.

ENTATIVES required by cardboard box manufacturers on commission basis. Write Feld Co., 88 Hackney Rd., E.2.

SALES MANAGER required by a progressive firm of manufacturing chemists in London, having a large home and export turnover. Applicant should have a pharmaceutical qualification, experienced in correspondence, sales literature, controlling representatives, etc. To a man of the right calibre, capable of undertaking increasing responsibility, the post offers a permanent career with unlimited prospects. A keen, experienced man of real ability is required, to whom a good salary will be paid. Please reply in strict confidence giving age, full details of previous experience, to Box 4/290.

REPRESENTATIVE required calling on chemists and stores for additional line of quality and attractiveness on commission basis for all districts except Surrey and South Coast. Applicant must have own car. Box 4/382.

REPRESENTATIVES REQUIRED, part-time on commission basis, for Eclipse razor blades for (1) South Coast, (2) Bristol and South-West Coast, (3) North Wales. Apply, James Neill & Co. (Sheffield), Ltd., Composite Steel Works, Sheffield.

REPRESENTATIVE required for selling to veterinary profession in Devon, Cornwall and other West Counties. Knowledge of veterinary products essential. Apply Box 4/346.

REPRESENTATIVE. Well-known company invites applications for the appointment of representative to call on chemists, grocers and other traders in Leics, Northants and Beds, for sale of famous household consumer goods. Good remuneration, use of car and expenses. Applicants must be prepared to live in Northamptonshire and must have a first-class record. Reply, stating age, business experience and other relevant particulars, to Box 4/343.

REPRESENTATIVES required for Midlands, Home Counties, Lancashire, Yorkshire, Northumberland and Durham, Eastern Counties, S.W. England and Wales. Nationally advertised product. Sound connection chemists essential. Car owners preferred. Only first-class applicants considered. Salary, commission, expenses. Full particulars. Write Box 539, Arthur S. Dixon, Ltd., 229 High Holborn, W.C.1.

REPRESENTATIVES required for Scherck Face Lotion and Tars After Shave Lotion. Commission basis. Ideal additional line. Write, stating districts covered. Large scale advertising commencing in September, 1948. Reply Box 4/317.

SUGAR COATER. An opportunity occurs for a first-class coater with experience in all types of plain and coloured work. To take charge of department in old-established London house. Write, giving details of age, experience and salary required, to Box 4/361.

UNQUALIFIED MAN required for wholesale manufacturing chemists' veterinary work in Shrewsbury. Single, aged 25 to 30. Apply Box 4/345.

VACANCY for experienced representative to call on hospitals and institutions in areas Lancs and Yorks. Must have actual road experience with a hospital supplies firm. Salary, commission, expenses. Must reside central area. Write full details of experience, which will be treated in confidence, to Hospital Sales Manager, S. Maw, Son & Sons, Ltd., New Barnet, Herts.

YOUNG MAN WANTED, thorough working knowledge of chemistry and toilet preparations manufacturing, to take charge of small department in well-established business. Excellent prospects. Apply, Henry Serventi, Ltd., 61 Beak St., Regent St., London, W.1.

YOUNG CHEMIST (preferably with experience but not essential) wanted for analytical work by manufacturing chemists in London. Please write full particulars to Box 4/421.

CLERICAL

A vacancy occurs for a first-class **SHORT-HAND TYPIST** on the Publishing Staff of The Chemist and Druggist. Five-day week. Permanency with good prospects. Letters, stating usual particulars, details of experience and salary expected, should be addressed to the Staff Director, Morgan Brothers (Publishers), Ltd., 28 Essex St., Strand, London, W.C.2.

WHOLESALE (OVERSEAS)

A PHARMACIST, preferably with some administrative experience, is required for service in an executive capacity in our Indian branch. Candidates should be single and not over 30 years' of age. In addition, representatives with pharmaceutical training are required to develop sales in other Dominion and Colonial markets. A knowledge of surgical business would be an advantage. Applications, which should contain fullest possible details of education, technical qualifications and business experience, should be addressed to Personnel Manager, Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

COUNTER ASSISTANT (whole or part-time). Retired, 66, active. Large and varied experience. Capable organiser and stockkeeper. Beds or Herts preferred. 60 Ridgway Rd., Luton.
DISPENSER (Hall), experienced, requires post in Midlands or North. Also bookkeeping, typewriting. Box 4/418.

WHOLESALE

ADVERTISER with excellent connections, experienced in buying and selling essential oils, perfume compounds and other raw materials, is open for position as manager from October or would entertain engagement as representative. Box 4/378.

AN ENERGETIC and ambitious young man with seven years' sales experience seeks employment with a progressive firm of pharmaceutical manufacturers. Opportunity of career desired. Box 4/424.

ENERGETIC young man (25) 8 years' experience retail pharmacy seeks position as representative in Scotland (resident Edinburgh). Excellent knowledge of pharmacy, including medical aspect. Prepared for hard work. First-class references. Box 4/423.

EXPERIENCED REPRESENTATIVE, resident Birmingham, long established connection, wishes to join high-class firm; drugs, sundries, etc. Box 4/381.

EXPERIENCED REPRESENTATIVE, covering South London and Home Counties, calling at chemists, drapers and stores, with excellent connections, seeks additional line, preferably surgical dressings. Box 4/379.

EXECUTIVE, 37, desiring change, requires managerial position, or proposition, home or abroad. Wide organising experience and all phases of merchandising, including buying and selling operations in liquorice, botanicals, herbs, etc. Box 4/398.

REPRESENTATIVE covering Yorks, Durham and Lincs, with first-class connection chemists, Co-ops., stores, etc., desires position with well-known house on salary, commission and expense basis only. Own car. Interviews preferred. Box 4/399.

REPRESENTATIVE with over 25 years' experience, over 40, with proven record of successful selling to retail and wholesale chemists, stores and Co-ops, seeks an appointment with firm of repute who would not reduce commission after working up successful sales. Territories: Lincs, Norfolk, Suffolk, Notts, Cambs, Oxon, Berks, Bucks, Beds, Northants, Herts, Essex, Surrey. Terms: Substantial salary, commission and expenses, in return for skilful conscientious service. Box 4/337.

SALES MANAGER (F.S.M.A) with 25 years' experience in marketing branded pharmaceutical toilet preparations through chemists, chain and department stores; thoroughly conversant with promotion and all phases of sales management including export practice. Box 4/334.

APPOINTMENTS**LONDON HOSPITAL,**

Whitechapel Road, London, E.1

ASSISTANT PHARMACIST required. Sal according to the J.N.C. (Hospital Staffs) Scale. Experience will be taken into consideration determining commencing salary. Hours normally 9 a.m. to 5 p.m. (on half-day 9 a.m. to 1 p.m.) Occasional Sunday duty and late duty until approximately 6 p.m. Sunday duties and late duties are the subject of additional remuneration. Applications should be sent to the H. Pharmacist.

NATIONAL HEALTH SERVICE**JOINT PRICING COMMITTEE FOR ENGLAND.**

Applications are invited for the position **CLERK** of the newly-formed **JOINT PRICING COMMITTEE FOR ENGLAND**. The Committee is responsible for the pricing of National Health Service prescriptions dispensed by pharmacists in England. This work is carried out in thirteen Centres throughout the country, with a total staff of between seven and eight hundred. The central office of the Committee will probably be in London. Applicants, who should be not more than 50 years of age, should have outstanding administrative ability, and be accustomed to the control of staffs. The annual salary will be £900 rising by annual increments of £30 to a maximum of £1,140, and the person appointed will be required to contribute to the National Health Service Superannuation Scheme.

Applications stating age, qualifications, experience, together with copies of two recent testimonials, should reach the undersigned not later than August 31, 1948.

JOS. A. SPEED.
Secretary, pro

42 West Cliff,
Preston, Lancs.

PARK PREWETT HOSPITAL, BASINGSTOKE

ASSISTANT DISPENSER required. Salaries and conditions of service in accordance with scales of Joint Negotiating Committee (Hospital Staffs). The appointment will be subject to the National Health Service (Superannuation) Regulations, 1947. Applications accompanied by copies of three testimonials to the Secretary not later than 26th August 1948.

MOORFIELDS WESTMINSTER AND CENTRAL EYE HOSPITAL, MOORFIELDS BRANCH

CITY ROAD, LONDON, E.C.1.

Applications are invited for the position **SENIOR ASSISTANT PHARMACIST**. Salaries in accordance with the J.N.C. (Hospital Staffs) Scale £415, rising by five annual increments of £15 to £490. Commencing salary will be the scale according to experience and qualifications. Hours 8.30 a.m. to 4.30 p.m. Saturdays 1.0 p.m. Applications, together with copies of testimonials should be sent to the Chief Pharmacist.

NORTHERN GROUP HOSPITAL MANAGEMENT COMMITTEE

**ROYAL NORTHERN HOSPITAL,
HOLLOWAY, LONDON, N.7**

Applications are invited for the post of **FIRST
TANT PHARMACIST** (male or female)
above hospital. Salary in accordance
the J.N.C. Scale.

Applications, stating age, qualifications, and
experience, together with copies of recent
testimonials, should be sent to the undersigned.

GILBERT G. PANTER,

Secretary.

RAMPTON STATE MENTAL INSTITUTION,

near RETFORD, NOTTS

PHARMACIST (MALE)

Vacancy exists at this Institution for a
Registered Pharmacist.

Salary of salary for pharmacist in sole
charge.

£15 x £525 per annum. In addition,
allowance of £50 per annum will be paid
qualified optician.

Accommodation is available for a married man.
£40 per annum. Quarters are available
single man at a charge of £40 per
month plus cost of board.

Post is subject to the National Health
(Superannuation) Regulations, 1947 and

Facilities include tennis courts, badminton,
swimming pool, etc.

Applications, stating age, experience, refer-
ences, etc., should be sent to the Medical
Superintendent.

STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE.

REGISTERED ASSISTANT PHARMACIST
based at Ashford County Hospital, Ash-
ford, Middlesex. Salary on J.N.C. (Hosp.)

Scale, £370 x £15 to £450 p.a. inc.
experience in the grade will determine
starting salary. Non-resident, whole-time,
vacant, subject to medical examination
on month's notice. Post vacant now.
Applications, stating age, qualifications and ex-
perience, with copies of up to 3 recent testi-
monials, to Medical Director of Hospital.
Closing date September 4, 1948.

STOKE-ON-TRENT HOSPITAL MANAGEMENT COMMITTEE.

**NORTH STAFFORDSHIRE ROYAL
INFIRMARY.**

ARTSHILL, STOKE-ON-TRENT.

ASSISTANT PHARMACIST (female) re-
quired. J.N.C. (Hospital Staffs) Scale, £370-
inclusive. Similar experience may deter-
mine commencing salary. Participation in
Superannuation Scheme. Recently-qualified
pharmacists considered.

Application, with usual particulars and
copies of testimonials, should be forwarded to
Secretary and House Governor at the above
address.

UNITED BIRMINGHAM HOSPITALS

QUEEN ELIZABETH HOSPITAL. Assistant
Resident Pharmacist required. Commencing
salary £370 p.a. from which £100 p.a. will
be deducted for full board, lodging and laun-
dry. Apply in writing not later than August
31st, giving usual details and two references,
to The Superintendent of the Pharmaceutical
Department, Queen Elizabeth Hospital, Edg-
baston, Birmingham, 15.

WARNEFORD GENERAL HOSPITAL, LEAMINGTON SPA

LOCUM ASSISTANT PHARMACIST required
for the first fortnight in September in the first
instance; there is a possibility of this locum
duty being extended.

Salary in the neighbourhood of eight guineas
per week, according to experience. Applications
should be sent to the undersigned as soon as
possible.

W. A. JAMES

House Governor and Secretary.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

COMMISSION AGENTS required to sell to Chemists
and Druggists in Wales, Yorkshire and East Anglia,
Nationally advertised patented line, full sales aids,
including lists of customers, provided to successful
applicants. Agents with proved sales records and
good connections should send full details of lines
now carried, whether car owner, and frequency
of calls to Box No. 254, Dorland Advertising
Limited, 18/20 Regent St., London, S.W.1.

COMMISSION AGENT required by manufacturing
chemists to cover the London area north of the
River Thames. Wide range of pharmaceutical pre-
parations. Existing connection will be handed over
to experienced man with live connection this area.
Please send details of lines carried, whether car
owner, and frequency of calls, to Box 4/412.

ENGLISH FIRM require a sole selling agent for
their nationally advertised products in Eire. Every
assistance will be given; only a house with a sound
selling organisation need apply. Good terms.
Write Box 4/419.

EXPERIENCED EGYPTIAN FIRM interested in phar-
maceutical preparations, fine and pharmaceutical
chemicals, fluid extracts and tinctures, hypodermic
syringes, needles and clinical thermometers. Box
4/417.

OLD-ESTABLISHED chemists' sundries business in
the Midlands open to consider good agency lines
suitable for the retail chemists' trade. Car owner
with good connection with chemists. Apply with
particulars, to Box 4/386.

SOLE DISTRIBUTOR required by manufacturer of
unique low-priced toilet line. Excellent terms
offered to live firm with capable representatives
and sound connections chemists, multiple stores,
etc. Complete U.K. coverage essential. Box
4/394.

SPECIALITY SALESMEN required by a London firm
of distributors to carry additional line of gentle-
men's electrical toilet appliances to chemists only,
on a generous commission basis. Territories con-
cerned, London, South and West England and
Eastern Counties. Write Box 225 c/o Maurice
Vernon, Ltd., Godliman House, Godliman St.,
London, E.C.4.

WE ARE REQUIRING AGENTS in all districts to
introduce our medicated pastilles. C.F. listed.
Write, fullest particulars, to Box 4/358.

20 PER CENT. COMMISSION to agents with good connections in Midland Counties, North-West Counties and Scotland. Two lines, nationally distributed and advertised, require energetic salesmen to show our improved packs, display material and excellent profit to retail chemists. Send full particulars to Box 4/380.

AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

ESTABLISHED REPRESENTATIVE covering wholesale and retail chemists in East Lancashire (including Manchester), also Midlands (including Birmingham) now starting career as agent, would be pleased to hear from manufacturers of repute. Car owner. Box 4/326.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

AN OPPORTUNITY presents itself to acquire the full control of an old and well-established London surgical instrument business on very reasonable terms. Full details can be obtained, in confidence, from Box 4/422.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture, packing and bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Tel.: Reliance 3435.

MANUFACTURING CHEMISTS can undertake packing and labelling of liquids from bulk into any size bottle from $\frac{1}{2}$ -oz. upwards. Inquiries to Box 4/348.

OPPORTUNITY to acquire manufacturing chemists' business and lease of 4-floor factory in city, approx. 2,000 sq. ft. Box 4/397.

SALES ORGANISATION with established connections wholesale and retail chemists and hairdressers, Co-ops. and leading stores, are prepared to consider sole agencies for reputable products. Box 4/390.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

FOR SALE. 1 $\frac{1}{2}$ ton Woolgrease stearine, stearic acid, sodium sulphate anhydrous, American peppermint oil, beeswax, stockalite. 60 gross green, round, 8-oz. bottles. 30 gross 2-oz. jars, squat. 1 ton white oil, 1 cwt. Butyl phenol. All surplus. Box 4/384.

ROBERTS LEC "B" vacuum bottle-filling machine, complete with motor and all accessories; brand new, unused. Price £150 delivered. Box 4/396.

STAINLESS STEEL 12 gall. steam-jacketed pan, 18 in. dia. x 10 in. deep; 20 lb. pressure. Two jacketed copper wax melting pans, 18 dia. by 12 in. deep with cover and stand. $\frac{3}{4}$ h.p. Holmes belt-bearing electric induction motors. 400/3/50. D.11, Tunstall Av., Hainault, Essex.

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PARKIN S. BOOTH, re MAESTRO (PHARMACEUTICALS), LTD. In Liquidation, MANUFACTURING CHEMISTS.

The entire stock has been removed to FETTER LANE AUCTION ROOMS, HOLBORN, E.C.1.

to be sold BY AUCTION, in lots on TUESDAY, AUGUST 24th, at 11 o'clock. At a later date likewise will be sold By Order the Joint Liquidators.

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